



301	Db	CTCGGGCTCTATGACACGGAGTGGCAACAGCGCAAAAGGGTTGAAGCGCTTCTACGATGCA	360
653	Qy	ATAAAAATACGGCGCGAACCACTTGATGGTGTTTGGAGCGCTCTGTCCATCCGTCACATCC	712
361	Db	ATAAAAATACGGCGCTAAACCACTTGATGGTGTTTGGAGCGCTCTGTCCATCCGTCACATCC	420
713	Qy	ATCATTTGCAGAGTCCCTTCCAAGGCTGGAATCTGGTGCAAGTCTTTCTTTTGTCTGCAAAACACG	772
421	Db	ATCATTTGCAGAGTCCCTTCCAAGGCTGGAATCTGGTGCAAGTCTTTCTTTTGTCTGCAAAACACG	480
773	Qy	CTGTGTTCTAGCCGATGAAGAAAAAATACCTTTATTTCTTTTCGGACCGTCCCATCAGACAAT	832
481	Db	CTGTGTTCTAGCCGATGAAGAAAAAATACCTTTATTTCTTTTCGGACCGTCCCATCAGACAAT	540
833	Qy	GGCGTGAATCCAGCCATCTCTGAAGTTCCTCAAGCACTACCAGTGGAGCGGTGGGCAAG	892
541	Db	GGCGTGAATCCAGCCATCTCTGAAGTTCCTCAAGCACTACCAGTGGAGCGGTGGGCAAG	600
893	Qy	CTGACGCAAGACGTTTCAGAGTTCCTCTGAGGTGCGGAATGACCTGACTGGAGTTCGTGAT	952
601	Db	CTGACGCAAGACGTTTCAGAGTTCCTCTGAGGTGCGGAATGACCTGACTGGAGTTCGTGAT	660
953	Qy	GGCGAGACATTTGAGATTTTCAGACACCGAGAGTTCCTCCAAACGATCCCTGTACACAGTTC	1012
661	Db	GGCGAGACATTTGAGATTTTCAGACACCGAGAGTTCCTCCAAACGATCCCTGTACACAGTTC	720
1013	Qy	AAAANGCTGAAGGGGAATGATGTCGGATCATCTCTGGCCAGTTTGNACAGATATGGCA	1072
721	Db	AAAANGCTGAAGGGGAATGATGTCGGATCATCTCTGGCCAGTTTGNACAGATATGGCA	780
1073	Qy	GCAAAAGTGTCTGTGTGCATACGAGGAAACAATGATGTGTAGTAAATATCAGTGGATC	1132
781	Db	GCAAAAGTGTCTGTGTGCATACGAGGAAACAATGATGTGTAGTAAATATCAGTGGATC	840
1133	Qy	ATTCCGGGCTGTTACGAGCCTTCTTGTTGGAGCAGGTGCACACGGAAGCCAACTCATCC	1192
841	Db	ATTCCGGGCTGTTACGAGCCTTCTTGTTGGAGCAGGTGCACACGGAAGCCAACTCATCC	900
1193	Qy	CGTGCCTTCGGGAAGATCTGTTGTCGCATGGAGGGCTACATTTGGCGTGGATTTCCGAG	1252
901	Db	CGTGCCTTCGGGAAGATCTGTTGTCGCATGGAGGGCTACATTTGGCGTGGATTTCCGAG	960
1253	Qy	CCCTGAGCTCCAGACAGATCAAGACCATCTCAGGAAGACTCCACAGCAGTATGAGAGA	1312
961	Db	CCCTGAGCTCCAGACAGATCAAGACCATCTCAGGAAGACTCCACAGCAGTATGAGAGA	1020
1313	Qy	GAGTACAACAACAGCGGTGAGGCGTGGGCCCCAGCAAGTTTCCAAGGTTACGCTACGAT	1372
1021	Db	GAGTACAACAACAGCGGTGAGGCGTGGGCCCCAGCAAGTTTCCAAGGTTACGCTACGAT	1080
1373	Qy	GGCATCTGGGTTCATGCCAAGACACTGCAGAGGCCATGAGAGACATGTGCATGCGAGGAGC	1432
1081	Db	GGCATCTGGGTTCATGCCAAGACACTGCAGAGGCCATGAGAGACATGTGCATGCGAGGAGC	1140
1433	Qy	CGGCACAGCGGATCCAGGACTTCAACTACAGGACCAACGCTGGGCGAGGATCATCCTC	1492
1141	Db	CGGCACAGCGGATCCAGGACTTCAACTACAGGACCAACGCTGGGCGAGGATCATCCTC	1200
1493	Qy	AATGCCATGAACGAGACCAACTTCTTCGGGCTCACGGGTCAAGTTGTATTTCCGGAATGGG	1552
1201	Db	AATGCCATGAACGAGACCAACTTCTTCGGGCTCACGGGTCAAGTTGTATTTCCGGAATGGG	1260
1553	Qy	GAGAGATGGGACCAATTAATTACTCAATTTCAAGACAGCGGGAGGTGAAGTGGGA	1612
1261	Db	GAGAGATGGGACCAATTAATTACTCAATTTCAAGACAGCGGGAGGTGAAGTGGGA	1320
1613	Qy	GAGTACAACGCTGTGGCGGACACTGGAGATCATCAATGACACCATCAGGTTCCAGGA	1672
1321	Db	GAGTACAACGCTGTGGCGGACACTGGAGATCATCAATGACACCATCAGGTTCCAGGA	1380
1673	Qy	TCCGAACCAACCAAGACCAAGCCATCATCTCTGGAGCAGCTGGGGAAGATCTCCCTACCT	1732

1381	TCCGAACCAACCAAAAGACAAGACATCATCTCTGGAGCAGCTGCGGAAGATCTCCCTACCT	1444
1733	CTCTACAGCATCTCTCTGCCCTCACCATCTCTCGGATGATCATATGGCCAGTGTCTTTCTC	1792
1441	CTCTACAGCATCTCTCTGCCCTCACCATCTCTCGGATGATCATATGGCCAGTGTCTTTCTC	1500
1793	TTCTTCAACATCAAGAACCGGAATCAGAAGCTCATATAAGATGTCGAGTCCATACATGAAC	1852
1501	TTCTTCAACATCAAGAACCGGAATCAGAAGCTCATATAAGATGTCGAGTCCATACATGAAC	1560
1853	AACCTTATCATCTTGGAGGGATGCTCTCTATGCTTCCATATTTCTCTTGGCCCTTGAT	1912
1561	AACCTTATCATCTTGGAGGGATGCTCTCTATGCTTCCATATTTCTCTTGGCCCTTGAT	1620
1913	GGATCTTTTGTCTCTGAAAAGACTTTGAAAACACTTTTGACCGCTCAGGACCTCGATTCTC	1972
1621	GGATCTTTTGTCTCTGAAAAGACTTTGAAAACACTTTTGACCGCTCAGGACCTCGATTCTC	1680
1973	ACCGTGGGTACACGACCGCTTTTGGGGCCATGTTTGCAAAAGACTTGGAGATCCACGCC	2032
1681	ACCGTGGGTACACGACCGCTTTTGGGGCCATGTTTGCAAAAGACTTGGAGATCCACGCC	1740
2033	ATCTTCAAAAATGTGAATGAAGAAGAGATCATCAAGAACACAGAAACTGCTTGTGATC	2092
1741	ATCTTCAAAAATGTGAATGAAGAAGAGATCATCAAGAACACAGAAACTGCTTGTGATC	1800
2093	GTGGGGGATGCTGCTGATCGACCTGTGTATCTGTATCTGTCTGTGGCAGGCTGTGGACCC	2152
1801	GTGGGGGATGCTGCTGATCGACCTGTGTATCTGTATCTGTCTGTGGCAGGCTGTGGACCC	1860
2153	CTCGAAGGACAGTGGAGAAGTACAGCATGGAGCCGGAACCCAGCAGGACGGGATATCTCC	2212
1861	CTCGAAGGACAGTGGAGAAGTACAGCATGGAGCCGGAACCCAGCAGGACGGGATATCTCC	1920
2213	ATCGGCCCTCTCTGGAGCATCTGTGAAACACCCATATGACCAATCTGGCTTGGCATGCTC	2272
1921	ATCGGCCCTCTCTGGAGCATCTGTGAAACACCCATATGACCAATCTGGCTTGGCATGCTC	1980
2273	TATGCCCTACAAGGACTTCTCATGTTGTTTCGGTGTGTTTCTTACGTTGGGAGACCCGCAAC	2332
1981	TATGCCCTACAAGGACTTCTCATGTTGTTTCGGTGTGTTTCTTACGTTGGGAGACCCGCAAC	2040
2333	GTGAGCATCCCCGACTCAACGACAGCAAGTACATCGGATGAGTGCTACAACGCTGGGG	2392
2041	GTGAGCATCCCCGACTCAACGACAGCAAGTACATCGGATGAGTGCTACAACGCTGGGG	2100
2393	ATCATGTGCATCATCGGGGCGCTGTCTCTTGACCCGGGACACGCCAATGTGCAG	2452
2101	ATCATGTGCATCATCGGGGCGCTGTCTCTTGACCCGGGACCAAGCCCAATGTGCAG	2160
2453	TTCTGCATCGTGCTCTGGTTCATCTCTCTGACGACCATCATCCCTCTCCCTGGTATTC	2512
2161	TTCTGCATCGTGCTCTGGTTCATCTCTCTGACGACCATCATCCCTCTCCCTGGTATTC	2220
2513	GTGCCAAGCTCATCCCTTGAGAACAAACCCAGATGCAGCAACCGCAGAACCGCGATTTC	2572
2221	GTGCCAAGCTCATCCCTTGAGAACAAACCCAGATGCAGCAACCGCAGAACCGCGATTTC	2280
2573	CAGTTCTCAGAAATCAGAAAGAAAGATTCTTAAACGTCACCTCGGTCAACGAGTGTG	2632
2281	CAGTTCTCAGAAATCAGAAAGAAAGATTCTTAAACGTCACCTCGGTCAACGAGTGTG	2340
2633	AACCAAGCCAGCATCCCGCTTGGAGGGCCTACAGTCAGAAACCATCCCTTCGCGAATG	2692
2341	AACCAAGCCAGCATCCCGCTTGGAGGGCCTACAGTCAGAAACCATCCCTTCGCGAATG	2400
2693	AAGATCACAGAGCTGATAAGACTTGGAAAGAGGTCAACATGCAGCTGCAGGACACACCA	2752
2401	AAGATCACAGAGCTGATAAGACTTGGAAAGAGGTCAACATGCAGCTGCAGGACACACCA	2460
2753	GAAAAGACCACTTAAACAGAACCACTAACAGAGCTCAATGATCATCTCTCAACCTG	2812
2461	GAAAAGACCACTTAAACAGAACCACTAACAGAGCTCAATGATCATCTCTCAACCTG	2520







APPLICANT: STAMMERS, MELANIE  
TITLE OF INVENTION: NOVEL COMPOUNDS  
NUMBER OF SEQUENCES: 4  
CORRESPONDENCE ADDRESS:  
ADDRESSEE: Ratner & Prestia  
STREET: P.O. Box 980  
CITY: Valley Forge  
STATE: PA  
COUNTRY: USA  
ZIP: 19482  
COMPUTER READABLE FORM:  
MEDIUM TYPE: Diskette  
COMPUTER: IBM Compatible  
OPERATING SYSTEM: DOS  
SOFTWARE: FastSeq for Windows Version 2.0  
CURRENT APPLICATION DATA:  
APPLICATION NUMBER: US/09/183,253  
FILING DATE: 30-OCT-1998  
CLASSIFICATION:  
PRIOR APPLICATION DATA:  
APPLICATION NUMBER: 9817907.0  
FILING DATE: 17-AUG-1998  
APPLICATION NUMBER: 60/075,306  
FILING DATE: 20-FEB-1998  
ATTORNEY/AGENT INFORMATION:  
NAME: Prestia, Paul F  
REGISTRATION NUMBER: 23,031  
REFERENCES/DOCKET NUMBER: GP-70395  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 610-407-0700  
TELEFAX: 610-407-0700  
TELEX: 846169  
INFORMATION FOR SEQ ID NO: 3:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1318 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA

Query Match 36.5%; Score 1270.8; DB 3; Length 1318;  
Best Local Similarity 99.8%; Pred. No. 1.3e-264;  
Matches 1272; Conservative 0; Mismatches 2; Indels 0; Gaps 0;  
QY 1126 GTGGATCATTCGGGCTGGTACAGGCTTCTTGGTGGAGAGAGGTGCACAGGAAGCCAA 1185  
DB 6 GAGGATCATTCGGGCTGGTACAGGCTTCTTGGTGGAGAGAGGTGCACAGGAAGCCAA 65  
QY 1186 CTCATCCGCTCCCTCCGGAAGATCTGCTGCGCATGGAGGGCTACATTGGCGTGA 1245  
DB 66 CTCATCCGCTCCCTCCGGAAGATCTGCTGCGCATGGAGGGCTACATTGGCGTGA 125  
QY 1246 TTTTCGAGCCCTGAGTCTCAAGCAGATCAAGACCATCTCAGGAAGACTCCACAGCAGTA 1305  
DB 126 TTTTCGAGCCCTGAGTCTCAAGCAGATCAAGACCATCTCAGGAAGACTCCACAGCAGTA 185  
QY 1306 TGAGAGAGGTACAACAACAGCGGTGAGCGTGGGCCCCAGCAAGTTCCACGGGTACGC 1365  
DB 186 TGAGAGAGGTACAACAACAGCGGTGAGCGTGGGCCCCAGCAAGTTCCACGGGTACGC 245  
QY 1366 CTACGATGCTATGGGTCTATCGCAAGACATCTGCAGAGGGCCATGGAGACACTGCATGC 1425  
DB 246 CTACGATGCTATGGGTCTATCGCAAGACATCTGCAGAGGGCCATGGAGACACTGCATGC 305  
QY 1426 CAGCAGCGGACCCAGCGGATCAGGACTTCAACTACAGGACCCACACGCTGGGAGGAT 1485  
DB 306 CAGCAGCGGACCCAGCGGATCAGGACTTCAACTACAGGACCCACACGCTGGGAGGAT 365  
QY 1486 CATCTCAATGCGATGAACAGCAGCAACCTTCTTGGGGTGCACGGGTCAAGTTGATTCGG 1545  
DB 366 CATCTCAATGCGATGAACAGCAGCAACCTTCTTGGGGTGCACGGGTCAAGTTGATTCGG 425

QY 1546 GAATGGGAGAGATGGGGACCATTTAAATTTACTCAATTTCAAGACAGCAGGAGGTGAA 1605  
DB |||||  
QY 426 GAATGGGAGAGATGGGGACCATTTAAATTTACTCAATTTCAAGACAGCAGGAGGTGAA 485  
DB |||||  
QY 1606 GGTGGAGAGTACAACGCTGTGGCGGACACACTGGAGATCATCAATGACACCATCAGGTT 1665  
DB |||||  
QY 486 GGTGGAGAGTACAACGCTGTGGCGGACACACTGGAGATCATCAATGACACCATCAGGTT 545  
DB |||||  
QY 1666 CCAAGGATCCGAACCAACCAAGAGACAGACCATCATCTCTGGAGCAGCTCGGGAAGATCTC 1725  
DB |||||  
QY 546 CCAAGGATCCGAACCAACCAAGAGACAGACCATCATCTCTGGAGCAGCTCGGGAAGATCTC 605  
DB |||||  
QY 1726 CCTACTCTCTACAGCATCTCTCTGCCCTCACCATCTCTCGGATGATCATGGCCAGTGC 1785  
DB |||||  
QY 606 CCTACTCTCTACAGCATCTCTCTGCCCTCACCATCTCTCGGATGATCATGGCCAGTGC 665  
DB |||||  
QY 1786 TTTTCTTTTCAACATCAAGAACCGGAATCAGAAGCTCATAAAGATGTCAGTCCATA 1845  
DB |||||  
QY 666 TTTTCTTTTCAACATCAAGAACCGGAATCAGAAGCTCATAAAGATGTCAGTCCATA 725  
DB |||||  
QY 1846 CATGAACAACCTTATCATCTTGGAGGATGCTCTCTATGCTTCCATATTTCTTTTGG 1905  
DB |||||  
QY 726 CATGAACAACCTTATCATCTTGGAGGATGCTCTCTATGCTTCCATATTTCTTTGG 785  
DB |||||  
QY 1906 CCTTGATGATCTTTTGTCTCTGAAAAGACCTTTTGAACACTTTGACCGTCAGGACCTG 1965  
DB |||||  
QY 786 CCTTGATGATCTTTTGTCTCTGAAAAGACCTTTTGAACACTTTGACCGTCAGGACCTG 845  
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QY 1966 GATTCTCACGCTGGGCTACACGACCGCTTTTGGGCGCATGTTTGAAGACCTGGAGAGT 2025  
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QY 846 GATTCTCACGCTGGGCTACACGACCGCTTTTGGGCGCATGTTTGAAGACCTGGAGAGT 905  
DB |||||  
QY 2026 CCACGCCATCTTCAAAATGTGAAGTGAAGAGAGATCATCAAGGACGAGAACTGCT 2085  
DB |||||  
QY 906 CCACGCCATCTTCAAAATGTGAAGTGAAGAGAGATCATCAAGGACGAGAACTGCT 965  
DB |||||  
QY 2086 TGTGATCGTGGGGGATGCTCTGATCGACCTGTGTATCTCTGATCTGCTGGCAGGCTGT 2145  
DB |||||  
QY 966 TGTGATCGTGGGGGATGCTCTGATCGACCTGTGTATCTCTGATCTGCTGGCAGGCTGT 1025  
DB |||||  
QY 2146 GGACCCCTTGGGAAGGACAGTGGAGAGTACAGCATGGAGCGGACCCAGCAGGACGGGA 2205  
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QY 1026 GGACCCCTTGGGAAGGACAGTGGAGAGTACAGCATGGAGCGGACCCAGCAGGACGGGA 1085  
DB |||||  
QY 2206 TATCTCCATCCGCTCTCTGGAGCAGTGTGAGACACCCATATGACCATCTGGCTCG 2265  
DB |||||  
QY 1086 TATCTCCATCCGCTCTCTGGAGCAGTGTGAGACACCCATATGACCATCTGGCTCG 1145  
DB |||||  
QY 2266 CATCTCTATGCTTACAAAGGACTTCTCATGTTGTTTCGTTGTTTCTTGGAGAGAC 2325  
DB |||||  
QY 1146 CATCTCTATGCTTACAAAGGACTTCTCATGTTGTTTCGTTGTTTCTTGGAGAGAC 1205  
DB |||||  
QY 2326 CGCAACGTCAGATCCCGGACACTCAAGCAGCAGCAAGTACATCGGATGAGTGTCTACAA 2385  
DB |||||  
QY 1206 CGCAACGTCAGATCCCGGACACTCAAGCAGCAGCAAGTACATCGGATGAGTGTCTACAA 1265  
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QY 2386 CGTGGGATCATGT 2399  
DB |||||  
QY 1266 CGTGGGATCATGT 1279  
DB |||||

RESULT 4  
US-09-495-050A-192  
; Sequence 192, Application US/09495050A  
; Patent No. 6492505  
; GENERAL INFORMATION:  
; APPLICANT: Roopa, Reddy  
; APPLICANT: Guegler, Karl, J.  
; APPLICANT: Au-Young, Janice  
; TITLE OF INVENTION: COMPOSITION FOR DETECTION OF GENES ENCODING MEMBRANE-ASSOCIATED PF  
; FILE REFERENCE: PA-0013 US  
; CURRENT APPLICATION NUMBER: US/09/495,050A  
; CURRENT FILING DATE: 2000-01-31

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; PRIOR APPLICATION NUMBER: 60/118,318
; PRIOR FILING DATE: February 1, 1999
; NUMBER OF SEQ ID NOS: 305
; SOFTWARE: PERL Program
; SEQ ID NO 192
; LENGTH: 1171
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: misc feature
; OTHER INFORMATION: Incyte ID No. 6492505 2170670CT1
; NAME/KEY: unsure
; LOCATION: 1115, 1121
; OTHER INFORMATION: a, t, c, g, or other
US-09-495-050A-192

Query Match      26.1%; Score 908.2; DB 4; Length 1171;
Best Local Similarity 94.2%; Pred. No. 1.8e-186;
Matches 998; Conservative 0; Mismatches 53; Indels 8; Gaps 5;

QY 968 ATTTCAGACACCGAGAGCTTCTCCAAAGATCCCTGTACCAAGTGTCAAAAAGCTGAAGGG 1027
DB 52 ACTTCCAAAACCAAACTTCACCAACGAACTCCGAACAAATGTAAATACCAAA-AGA 110
QY 1028 AATGATGTCGGATCATCTCTGCGCAGTTTGACCAAGATATGCAGCAATATGCAGCAAAAGTGTCTGT 1087
DB 111 AATACTGTCGGAATCAACCTTGACCATTTTCACCAAGTAAGACAGCAAAAATGCTCTGT 170
QY 1088 TGTGCATACGAGGAGAACATGTATGTTAGTAAT-ATCAGTGGATCATTCCTCGGCTGGTA 1146
DB 171 TGTGCATACGAGTACAACTGTATGTAATAATCACCAGTGCATTCCTCGGCTGGTA 230
QY 1147 CGAGCTCTTCTGTTGGAGGACAGTGTCACACGGAAGCAACTCATCTCCGCTGCTCGGAA 1206
DB 231 CGAGCTCTTCTGTTGGAGGACAGTGTCACACGGAAGCAAACTCATCTCCGCTGCTCGGAA 290
QY 1207 GAATCTGCTGCTGCATCGAGGGCTTACATTCGGCTGGATTTTCGAGCCCTCAGCTCCAA 1266
DB 291 GAATCTGCTGCTGCATCGAGGGCTTAAATTCGGCTGGATTTTCGAGCCCTCAGCTCCAA 350
QY 1267 GCAGATCAAGACCATCTCAGGAAGACTCCACAGCAGATGTAGAGAGAGTACAAACAA 1326
DB 351 GCAGATCAAGACCATCTCAGGAAGACTCCACAGCAGATGTAGAGAGAGTACAAACAA 410
QY 1327 GCGGTACGCGTGGGCGCCAGCAAGTTCCACGGGTACGCTAGCTAGCTAGGATCTGGGTAT 1386
DB 411 GCGGTACAGCTGGGCGCCAGCAAGTTCCACGGGTACGCTAGCTAGCTAGGATCTGGGTAT 470
QY 1387 CGCCAAAGACACTGCAGAGGGCCATGGAGACACTGCATGCCAGCGCGGCACACGCGAT 1446
DB 471 CGCCAAAGACACTGCAGAGGGCCATGGAGACACTGCATGCCAGCGCGGCACACGCGAT 530
QY 1447 CCAGGACTTCAACTACAGCAGCCACACGCTGGGCGAGGATCATCTCAATGCCATGAACGA 1506
DB 531 CCAGGACTTCAACTACAGCAGCCACACGCTGGGCGAGGATCATCTCAATGCCATGAACGA 590
QY 1507 GACCAACTTCTTCCGGGTCAAGTTGTAATTCGGAAATGGGAGAGATGGGAC 1566
DB 591 GACCAACTTCTTCCGGGTCAAGTTGTAATTCGGAAATGGGAGAGATGGGAC 650
QY 1567 CATTAAATTTACTCAATTTCAAGACAGCAGGAGGTGAAGTGGGAGAGTACAAACGCTGT 1626
DB 651 CATTAAATTTACTCAATTTCAAGACAGCAGGAGGTGAAGTGGGAGAGTACAAACGCTGT 710
QY 1627 GCGCGACACACTGAGATCATCAATGACACCATCAGGTTTCCAAGGATCCGAACCAACAA 1686
DB 711 GCGCGACACACTGAGATCATCAATGACACCATCAGGTTTCCAAGGATCCGAACCAACAA 770
QY 1687 AGACAAGACCATCATCTCGAGAGCTGGGAGATCTCCCTACCTCTCAGCATCT 1746
DB 771 AGACAAGACCATCATCTCGAGAGCTGGGAGATCTCCCTACCTCTCAGCATCT 830
QY 1747 CTCTGCGCTCACCATCTCTCGGATGATCATGCGCAGTGTCTTCTTCTTCTTCAACATCAA 1806

; RESULT 5
; US-09-422-936-52
; Sequence 52, Application US/09422936
; Patent No. 6465213
; GENERAL INFORMATION:
; APPLICANT: Ekstrand, Jonas
; TITLE OF INVENTION: NEW NUCLEOTIDE SEQUENCES
; FILE REFERENCE: 06275-165002
; CURRENT APPLICATION NUMBER: US/09/422,936
; CURRENT FILING DATE: 1999-10-22
; PRIOR APPLICATION NUMBER: US 09/242,608
; PRIOR FILING DATE: 1999-02-19
; PRIOR APPLICATION NUMBER: PCT/SE98/01947
; PRIOR FILING DATE: 1998-10-27
; PRIOR APPLICATION NUMBER: SWEDEN 9703914-2
; PRIOR FILING DATE: 1997-10-27
; PRIOR APPLICATION NUMBER: SWEDEN 9800864-2
; PRIOR FILING DATE: 1998-03-16
; PRIOR APPLICATION NUMBER: SWEDEN 9802575-2
; NUMBER OF SEQ ID NOS: 85
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 52
; LENGTH: 2895
; TYPE: DNA
; ORGANISM: Canis familiaris
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1) ... (2892)
; US-09-422-936-52

Query Match      10.0%; Score 347.2; DB 4; Length 2895;
Best Local Similarity 50.1%; Pred. No. 1.9e-65;
Matches 1017; Conservative 0; Mismatches 983; Indels 30; Gaps 5;

QY 527 CCCGCGGTGGAACTGGCCATCGAGCA---GATCCCAACGAGTCACTCTCGCGCCCTAC 583
DB 577 CCCGCGGTGGAGATGGCCCTGGAGGACGTGAATAGCCGAGGACATCTCGCGGACTAC 636
QY 584 TTCCTCGACCTCGCGCTCTATGACACGGAGTCGCAACAACGCAAAAGGGTTGAAAGCTTC 643
DB 637 GAGCTCAAGCTCATCCACCAGCAAGTGTGACCCAGGCAAGCTACCAAGTACCTG 696
QY 644 TAGCATGCAATAAATACGGCCGAAACCACTTGATGGTGTGGAGGCGTCTGTCCATCC 703
DB 697 TATGAATCTCTACACGACCCCATCAAGATCATCTCTCATGCTG---CTGCACTCT 753
QY 704 GTCACATCATTCATTCGAGAGTCCCTCCAAGGCTGGAATCTGGTGCAGCTTCTTTTGT 763
DB 754 GTCTCCAGCTTGTGGCTGAGGCTGCCAGGATGTGGAACTCATTTGCTCTCTATGCT 813
QY 764 GCAACACGCTGTTCTAGCCGATGAAGAAAAAATACCTTATTTCTTTCGGAACCGTCCA 823
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Db 814 TCAGCTCACCAGCTCTGTGTCACCGCAGCGCTTTCTTACCTTCTTCGAACTCATCCC 873  
QY 824 TCAGCAATGCGGTGAATCCAGCCATCTGTAAGTTGCTCAAGCACTACCACTGGAGCGC 883  
Db 874 TCGGCCACGCTCCACAACTCAGGAGTGAAGCTCTTTGAGAAGTGGGCTGGAGGAG 933  
QY 884 GTGGCAGCGCTGACGCAAGACGTTCTCTGAGGTTCTCTGAGGTGCGGAATGACCTGACTGA 943  
Db 934 ATTGCCACCATCCAGCAGACCAACCGAGGTGTTTACATCGACTCTGGAACCTAGAGAA 993  
QY 944 GTTCTGTATGGCGAGGACATTTAGATTTTCAGACACGAGAGCTTCTCCAAAGATCCCTGT 1003  
Db 994 CGAGTGAAGAGGCTGGGATGAGATTAATTTCCGCCAGAGCTTCTCTCAGACTCTGCC 1053  
QY 1004 ACCAGTGTCAAAAGCTGAAGGGGAATGATGCGGATCATCTTTGGCCAGTTTCACCA 1063  
Db 1054 GTGCTGTCAAGAACTCAAGCGCAGGATGCCGAATCATCTGGGACTTTTCTATGAG 1113  
QY 1064 AATATGGCAGCAAAAGTGTCTGTGTGTCATACGAGGAGAACATGTATGTAGTAAATAT 1123  
Db 1114 ACTGAAGCCCGGAAGTGTCTGTGAGGTATACAGGAGCGCTCTTTGGGAAGATAT 1173  
QY 1124 CAGTGGATCATTTCCGGGCTGTGACAGCTTCTTGGTGGGAGCAGGTGCACACGGAAGCC 1183  
Db 1174 GTTGGTTCCTCATTTGGGTGTATGCTGACAATTTGGTTCAAG-----ACCTACGAC 1224  
QY 1184 AACTCATCCGCTCGGAGATCTGTTGCTGCTGCAATGGAGGCTTACATTTGGCGTG 1243  
Db 1225 CCCTCCATCACTGACAGTGTGATGATGACCGAGGCTGTGGAAGGCCATCATCCACT 1284  
QY 1244 GATTTTCGAGCCCTGAGTCTCAAGCAGATCAAGACCATCTCAGGAAGAACTCCACAGCAG 1303  
Db 1285 GAGATTGTCTGTAACCCAGCCCAACACCCGACGATCTCCAAATGACATCCAGGAG 1344  
QY 1304 ATAGAGAGAGTACAA-----CAAGCGGTGAGGCTGGGCGCCAGCAAGTTCCAC 1357  
Db 1345 TTTGTGGAAACTGACCAAGAGACTCAAGACACCTCTGAGGAGACAGCGCGCTTCCAG 1404  
QY 1358 GGGTACGCTACGATGGCATCTGGGTCTCGCCCAAGACACTCAGAGGSCCATGGAGACA 1417  
Db 1405 GAGGACCGCTGCTGATGATGCTGCTGGGCTTTGGCATTTGGCCCTGAAACAGACATCT 1464  
QY 1418 CTGCTATGCGCAGCGCGGACACAGCGGATCCAGGACTTCAACTACAGGACCAACAGCTG 1477  
Db 1465 GGAGGAGCGCGTTCGGGGTGGCGCTGGAGACTTCAACTACAAACACAGCAGATC 1524  
QY 1478 GGCAGGATCATCTCAATGCCATGAACGAGACAACTTCTTCGGGTGACGGGTCAAGTT 1537  
Db 1525 ACAGACCAATCTACCGCAATGAATCCTCGTCTTTGAGGGTGTCTCTGGCCACGCTG 1584  
QY 1538 GTATTCGGAATGGGAGAGATGGGACCATTAATTTACTCAATTTCAAGACAGCAGG 1597  
Db 1585 GTGTTTGATGCGAGCGGCTCAGGATGGCGCTGGAATTTGAGCAGCTGAGGGTGGC 1644  
QY 1598 GAGGTGAAGTGGGAGAGTACAACTGCTGGCGGACACACTGGAGATCATCAATGACACC 1657  
Db 1645 AGCTACAGAAAGATCGGCTACTATGACAGCACCAAGGATGACCTTCTGGTCTAAAGC 1704  
QY 1658 ATCAGGTTCCAAAGGATCGGAACCAACAAAGACAAGACCATCATCTGGAGCAGCTGGG 1717  
Db 1705 GACAAATGATTGGAGGGGCCCCCGCGGACACAGACCTGGTCAATCAAGACATTTGCG 1764  
QY 1718 AGATCTCCCTACTCTCTACAGCATCTCTCTGCGCTCACCATCTCGGGATGATCATG 1777  
Db 1765 TTCATGTCAAGAAAGCTCTTCAATTTCAAGTCTCTGCTCTCCAGCTGGGCAATTTGCTG 1824  
QY 1778 GCGAGTCTTTCTCTTTCAACTCAAGAACCGGAATCAGAAGCTCAATAAGATGTCG 1837  
Db 1825 GCTGTGGTCTGTCTCTCTTTAACTATCAACTCTCATGTCCGTTACATCCAGAACTCC 1884  
QY 1838 AGTCCATACATGAACAACTTATCATCTCTTTGAGGGAGTCTCTCTCTATGCTTCCATATTT 1897  
Db 1885 CAGCCCAACTTGAACAACTGTACTGTGTGGGTGCTCTCCCTGGCATTTGGCTGCGCTCTTC 1944

QY 1898 CTCCTTGGCCTTGATGGATCCTTTGCTCTGTAAGAACCTTTGAAACACTTTGCACCGTC 1957  
Db 1945 CCCCTGGGGCTAGATGGGTACACATCGGAGAACCCAGTTTCTTTTGTGTGTCAGGCA 2004  
QY 1958 AGGACTCTGATTTCTCACCGTGGGCTTACAGACCGCTTTTGGGGCATGTTTGAAGAC 2017  
Db 2005 GCGCTCTGGCTCTGGGCTTCACTTGGGCTATGCTGGGCTATGCTCCATGTTTCAAGATC 2064  
QY 2018 TGGAGAGTCCACGCCATCTTCAAAATGTGAATAAGAA-----GAAGATCATC 2068  
Db 2065 TGGTGGGTCACACCGTCTTCACTAAGAGGAGGAGAAAGAGGTGGAGGAGAACCTTG 2124  
QY 2069 AAGGACCAAAACTCTTGTGATCGTGGGGGCACTGCTGCTGATGACCTGTGTATCTG 2128  
Db 2125 GAGCCCTGGAAGCTGTACACACAGTGGGCTGTAGTGGGATGATGTCTCTACTCTT 2184  
QY 2129 ATCTGCTGGCAGGCTGTGGACCCCTCGAAGGACAGTGGAGAAGTACAGCATGAGAGCG 2188  
Db 2185 GCCATTTGGCAGATGGTAGACCCCTTGACCGGACCATTTGAGACTTTTGCACAGGAGAA 2244  
QY 2189 GACCCAGCAGGACGGGATATCTCCATCCGCTCTCTGGAGCACTGTGAGAACCCCAT 2248  
Db 2245 CCAAGAGGAATATTGATGTGTCATCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2304  
QY 2249 ATGACCATCTGGCTTGGCATCGTCTATGCTTACAAAGGACTTCTCATGTTTGGTGTG 2308  
Db 2305 ATGAACACTGGCTTGGCATTTCTATGTTTACAAAGGCTGCTGCTGCTGCTGCTGCTG 2364  
QY 2309 TTTCTTAGCTTGGAGACCGCAACCTGACATCTCCGCACTCAACGACAGCAAGTACATC 2368  
Db 2365 TTTCTTGTATGACCAAGAGCGTGTCTACTGAGAAGATCAATGACACCGGCTGTG 2424  
QY 2369 GGGATGAGTGTCTACAACTGGGATCATGTGATCATCGGGGCGCTGCTCTCTCTCTG 2428  
Db 2425 GGCATGGCCATGTACAACTGGGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCT 2484  
QY 2429 ACCCGGAGCAACCAATGTGCACTTCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 2488  
Db 2485 CTGTCCAGCAGCAGGATGACGCTTTGCGCTTTCAGCTCTTGGCCATAGTGTCTCTCC 2544  
QY 2489 ACCATCACCTTCTGCTGGTATTCGTGCGAAGCTCATCACCTGAGAAC 2538  
Db 2545 TACATCACTCTGGTCTGTTCTGTTCTGTCGGAAGATGCGCAGGTGATCAC 2594

## RESULT 6

US-09-422-936-76  
; Sequence 76, Application US/09422936  
; Patent No. 6465213  
; GENERAL INFORMATION:  
; APPLICANT: Ekstrand, Jonas  
; TITLE OF INVENTION: NEW NUCLEOTIDE SEQUENCES  
; FILE REFERENCE: 06275-165002  
; CURRENT APPLICATION NUMBER: US/09/422,936  
; CURRENT FILING DATE: 1999-10-22  
; PRIOR APPLICATION NUMBER: US 09/242,608  
; PRIOR FILING DATE: 1999-02-19  
; PRIOR APPLICATION NUMBER: PCT/SE98/01947  
; PRIOR FILING DATE: 1998-10-27  
; PRIOR APPLICATION NUMBER: SWEDEN 9703914-2  
; PRIOR FILING DATE: 1997-10-27  
; PRIOR APPLICATION NUMBER: SWEDEN 9800864-2  
; PRIOR FILING DATE: 1998-03-16  
; PRIOR APPLICATION NUMBER: SWEDEN 9802575-2  
; PRIOR FILING DATE: 1998-07-17  
; NUMBER OF SEQ ID NOS: 85  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 76  
; LENGTH: 2661  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:

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; NAME/KEY: CDS
; LOCATION: (1)...(2658)
US-09-422-936-76

```

Query Match	9.1%;	Score 315.4;	DB 4;	Length 2661;
Best Local Similarity	49.1%;	Pred. No. 1.3e-58;		
Matches 999;	Conservative 0;	Mismatches 1006;	Indels 30;	Gaps 5;
Qy	522	TGCTCCCGCGGTGAACTGSCCATCAGACA--GATCCGCAACGAGTCACTCTCTGCGCC	578	
Db	338	TGTTCCCGCGGTGGAATGGCGTGGAGACGTGAATAGCCGAGGACATCTCTGCGG	397	
Qy	579	CCCTACTTCTCGACCTCGGGCTCTATGACACGGAGTGGCAACGCAAAAAGGTTGAAG	638	
Db	398	ACTATGAGCTCAAGCTCATCCACCACGACGCAAGTGTGATCCAGGCCAAGCCACCAAGT	457	
Qy	639	CCTTCTACGATGCANAATAATACGGCGGACCACTTGATGGTGTTTGGAGGCGTCTGTC	698	
Db	458	ACCTATATGAGTGTCTCTACAACGACCTATCAA---GATCATCTTATGCTGGCTGCGCA	514	
Qy	699	CATCCGTCACATTCATTCAGAGTCCCTTCCAAGGCTGGAATCTGGTGCAGCTTTCTTT	758	
Db	515	GCCTGTCTCCACGCTGGTGGCTGAGGCTGCTAGGATGTGAACCTCATTTGTGCTTTCT	574	
Qy	759	TTGCTGCAACCAQCCTGTGTTCTAGCCGATAGAAAAAATACCTTTATTTCTTTCGACCG	818	
Db	575	ATGCTCTCAGCTCAACGACCCGTGTCAACCGGCAGCGTTTCCCCACCTTTCTTCCGAACGC	634	
Qy	819	TCCCATCAGACAATGCGGTGAATCCAGCCATCTTGAAGTTGCTCAAGCACTACCAGTGA	878	
Db	635	ACCCATCAGCCAChACTCCAACCCCTACCCGCTGAAACTTTTGAANAAGTGGGGCTTGA	694	
Qy	879	AGCCGTGGGCACQCTGACGCAAGACGTTTCAGAGTTCCTCTGAGGTGCGGAATGACCTGA	938	
Db	695	AGAAATTGCTACCATCCAGCAGACCACTGAGGTCTTCACCTTCGACTCTGGACGACCTGG	754	
Qy	939	CTGAGATTCTGTAATGGCGAGGACATTGAGATTTTCAGACACCGAGAGCTTCTTCAACGATC	998	
Db	755	AGGAACGAGTGAAGAGGCGTGGAAATGAGATTTACTTTCCGCGCAGAGTTTCTTCTCAGATC	814	
Qy	999	CCTGTACCAAGTGTCAAAAAGCTGAAGGGGAATGATGTCCGATCATCTCTGGCCAGTTTG	1058	
Db	815	CAGCTGTGCGCGTCAAAAACTGAAGCGCCAGGATGCCGNAATCATCGTGGACATTTTCT	874	
Qy	1059	ACCAGAAATAGGACGAAAAAGTGTCTGTGTGTCATACGAGGAGAAATGATGATGGTAGTA	1118	
Db	875	ATGAGACTGAAGCTCCGGAAGTTTTTGTGAGGTGTACAAGAGCGCTCTCTTTGGGAAGA	934	
Qy	1119	AATATCAGTGGATCATCTCCGGGCTGGTACGAGCCTTCTTGTGGGAGCAGGTGACACGG	1178	
Db	935	AGTACGTCTGGTTCCTCATTTGGGTGGTATGCTGCAATTTGGTTCAG-----ATCT	985	
Qy	1179	AAGCCAACTCATCTCCGCTGCTCCCGAAGAACTGTGTTGTCCTCAGAGGCTTACATTG	1238	
Db	986	ACGACCCCTCTATCAACTGCACAGTGGATGAGATGACTGAGGCGGTGGAGGCCACATCA	1045	
Qy	1239	CGGTGGATTTTCGAGCCCTGAGCTCCAGCGAGATCAAGACATCTCAGGAAAGACTCCAC	1298	
Db	1046	CAACTGAGATTGTTCATGTGAATCCTGCAATACCCGAGCAITTTTCAACATGACATCCC	1105	
Qy	1299	AGCAGTATGAGAGAGTACAACAAACAGCGGTGACG-----GTGGGGCCAGCAAGT	1352	
Db	1106	AGGAATTTGTGGAGAAACTAACCAAGCGACTGAAAGACACCCCTTGAGAGACAGAGGCT	1165	
Qy	1353	TCCAAGGGTACGCCCTACGATGGCATCTGGGTTCATCGCCCAAGACACTGCAGAGGCCATTG	1412	
Db	1166	TCCAGGAGGCACQCTGCGCTATGATGCCATCTGGGCTTGGCACTGGCCCTGAAACAAGA	1225	
Qy	1413	AGACATGTCATGCGAGCGCCGACACGCGGATCCAGGACTTCAACTACAGGACACACA	1472	
Db	1226	CATCTGAGGAGGCGGCGGTTCTGGTGTGGCGCTTGGAGGACTTCAACTACAAACACAGA	1285	
Qy	1473	CGCTGGCGCAGGATCATCTCAATGCCATGAACGAGACAACACTTCTTGGGGTCACGGGTC	1532	

Db	1286	CCATTACCGAACCAATCTACCGGGCAATGAACCTCTTGGTCTTCTTGGGGTGTCTCTGGCC	1345
Qy	1533	AAGTTGTATTCCGGAAATGGGAGAGAAATGGGACCAATTAAATTTACTTCAATTTCAAGACA	1592
Db	1346	ATGTGTTGTTGATGCCAGCGGCTCTCGGATGCGATGGACGCTTATCGAGCAGCTTCAGG	1405
Qy	1593	GCAGGAGGTGAGGTGGGAGAGTACAAAGCTGTGGCCGACACACTGGAGATCATCAATG	1652
Db	1406	GTGGCAGCTACAAGAAGATTGGCTACTATGACAGCACCAAGATGATCTTCTTCGTGTTCCA	1465
Qy	1653	ACACCATCAGGTTCCAAAGATCCGAACCAACCAAAAGACAAGACCATCATCTCGAGCAGC	1712
Db	1466	AAACAGATAAATGGATTGGAGGTCCCCCCAGCTGACACAGACCCGTGTCATCAAGACAT	1525
Qy	1713	TGCGGAAGATCTCCCTACCTCTCTACAGCATCTCTCTGCCCCCACCACCATCTCGGGATGA	1772
Db	1526	TCGCGTTCCTGTGCACAGAAACTCTTTATCTCCGCTCAGTTCTCTCCAGCCTCGGCAATG	1585
Qy	1773	TCATGGCCAGTGTCTTTCTCTTCAACATCAAGAACCGGAATCAGAACTCATAAAGA	1832
Db	1586	TCCTAGCTGTGTCTGTCTCTTTAAACATCTACAACTCACATGTCGGTTATATCCAGA	1645
Qy	1833	TGTCGAGTCATACATGAACAACCTTATCATCTCTGGAGGATGCTCTCTATGCTTCCA	1892
Db	1646	ACTCACAGCCCAACTGAACAACCTGACTGCTGTGGCTGCTCAGCTGGCTTTAGCTGCTG	1705
Qy	1893	TATTTCTCTTTGGCTTGATGGATCTTTTGTCTCTGAAAAGACCTTTGAAAACACTTTGCA	1952
Db	1706	TCCTCCCTCGGGCTCGATGGTTACCAATTGGGAGAACAGTTTCCCTTCGTCTGCC	1765
Qy	1953	CCGTCAAGCACTCGAATCTCACCGTGGGCTTACAGACCGCTTTTGGGGCCATGTTTGCAG	2012
Db	1766	AGSCCGCCCTCTGGCTCTGGGCTGGGCTTTAGTCTGGGCTACGGTTCCATGTTTCAACA	1825
Qy	2013	AGACCTGGAGATCCAGCCATCTTCAAAATCTGAAAATGAAGAAGAAAGATCATCAAG-	2071
Db	1826	AGATTTGGTGGGTCCACACGGTCTTCAAAAGAAAGAAAGAAAGAGATGGAGGAAGA	1895
Qy	2072	-----GACCAGAAACTGCTTGTATCGTGGGGGGCATGCTGCTGATCGAAGCTGTGTA	2123
Db	1886	CTCTGGAACCCCTGGAAGCTGATGCCACAGTGGGCGCTGCTGGTGGGCATGGATGTCTCTCA	1945
Qy	2124	TCCTGATCTCTGGCAGGCTGTGGACCCCTCGAAGGACAGTGGAGAACTACAGCATGG	2183
Db	1946	CTCTCGGCATCTGGCAGATCGTGGACCCCTCTGCACCGGACATTTGAGACATTTGCCAAGG	2005
Qy	2184	AGCCGACCCAGCAGGACGGGATATCTCCATCCGCCCTCTCTCTGGAGCACTGTGAGAAC	2243
Db	2006	AGGAACCTTAGGAAGATATTGACGTCTCTATTCTGCCCCAGCTGGAGCAATTGCAGCTCCA	2065
Qy	2244	CCCATATGACCATCTGGCTTGGCATCGTCTATGCTTACAGGGACCTCTCATGTTGTTCCG	2303
Db	2066	GGAAGATGAATACATGGCTTTGGCATTTTCTATGGTTACAAGGGGCTGCTGCTGCTGTTGG	2125
Qy	2304	GTTTGTTCTTTAGCTTGGGAGACCGCAACGTCAGCATCTCCCGCACTCAACGACACAGCAAGT	2363
Db	2126	GAATCTTCTTGTATTAGACCCAAAGATGTGTCCACTGAGAAAGATCAATGATCACCGGG	2185
Qy	2364	ACATCGGGATGATGTCTCAAAAGTGGGGAATCATGTGCATCATCTGGGGCCGCTGTCTCTCT	2423
Db	2186	CTGTGGGCATGGCTATCTACAATATGGCAGTCTCTGTGCTCTCATCTGCTCTGTCTACCA	2245
Qy	2424	TCTGTACCCGGGACCAAGCCCAATGTGCAGTTCTGCATCTGCTGGTCTGGTCTCATCATCTTCT	2483
Db	2246	TGATTTGTGTCAGCCAGAGATGCAGCCTTTGCTTTGGCTCTCTTGGCATAGTATTCT	2305
Qy	2484	GCAGCACCATCACCCCTCTGCCTGGTATTCTGTCGGAAGCTCATCACCCCTGAGAAC	2538
Db	2306	CCTCTCTATATCACTCTGTTGTGTCTCTTGTGGCCAGAGTGCAGAGCTGATCAC	2360

## RESULT 7

## US-09-422-936-50

; Sequence 50, Application US/09422936  
; Patent No. 6465213  
; GENERAL INFORMATION:  
; APPLICANT: Ekstrand, Jonas  
; TITLE OF INVENTION: NEW NUCLEOTIDE SEQUENCES  
; FILE REFERENCE: 06275-165002  
; CURRENT APPLICATION NUMBER: US/09/422,936  
; CURRENT FILING DATE: 1999-10-22  
; PRIOR APPLICATION NUMBER: US 09/242,608  
; PRIOR FILING DATE: 1999-02-19  
; PRIOR APPLICATION NUMBER: PCT/SE98/01947  
; PRIOR FILING DATE: 1998-10-27  
; PRIOR APPLICATION NUMBER: SWEDEN 9703914-2  
; PRIOR FILING DATE: 1997-10-27  
; PRIOR APPLICATION NUMBER: SWEDEN 9800864-2  
; PRIOR FILING DATE: 1998-03-16  
; PRIOR APPLICATION NUMBER: SWEDEN 9802575-2  
; PRIOR FILING DATE: 1998-07-17  
; NUMBER OF SEQ ID NOS: 85  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 50  
; LENGTH: 2535  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (1)...(2532)  
US-09-422-936-50

## Query Match 9.0%; Score 313.6; DB 4; Length 2535;

Best Local Similarity 49.1%; Pred. No. 3.2e-58;

Matches 996; Conservative 0; Mismatches 1004; Indels 30; Gaps 5;

QY	527	CCGCGGTGGAACTGGCCATCGAGCA---GATCCGCAACGAGTCACCTCTGCGGCCCTTAC	583
DB	217	CCGCGGTGGAGTGGCGTGGAGGACGTGAATAGCCGAGGACATCTGCGGACTAT	276
QY	584	TTCTCTGACCTGGGCTCTATCAGCGGAGTCGACCAAGGTTGAAGCTTC	643
DB	277	GAGCTCAAGCTCATCCACGACGACGAGTGTATCCAGGCCAAGCCACCAAGTACCTA	336
QY	644	TACGATGCAATAAAATACGGGCGCAACCACTTGATGGTGTGTTGGAGGCGTCTGTCCATCC	703
DB	337	TATGAGCTGCTCTACAAAGACCTATCAA--GATCATCTTATGCTTGGCTGCAGCTCT	393
QY	704	GTCATATCATATTCAGAGTCCCTCCAAAGGTGGAATCTGGTGAAGCTTTCTTTGTCT	763
DB	394	GTCTCCAGCTGGTGGCTGAGGCTGTAGGATGTGGAACTCAATTGTGCTTCTCTATGGC	453
QY	764	GCAACACGCGCTGTTCTAGCCGATGAAGAAATACCTTTATTTCTTCGGACCGTCCCA	823
DB	454	TCAGCTTACCAAGCCCTGTCAAACGGGAGCGTTTCCCACTTTCTTCGAACGCCACCA	513
QY	824	TCAGCAATGCGGTGAATCCAGCCATTTCTGAAGTTGCTCAAGCACTTACCAGTGGAGCGC	883
DB	514	TCAGCCCACTCCCAACACCTACCCGCGTGAACCTTTGAAAGTGGGGCTGGAAGAG	573
QY	884	GTGGGACGCTGAGCAAGACGTTGAGAGTTCTCTGAGGTGCGGAATGACCTGATGGA	943
DB	574	ATTGTACCATCCAGCAGACCACTGAGGTCTTCACTTCGACTCTGCACTGCAACCTGGAGAA	633
QY	944	GTTCTGTATGGCGGACATTCGATTTTCAGACCGGAGGCTTCTCCAAACGATCCCTGT	1003
DB	634	CGAGTGAAGAGGCTGGAATGAGATTACTTTCCGCGCAGAGTTCTTCTCAGATCAAGCT	693
QY	1004	ACCAGTGTCAAAAAGCTGAAGGGGAATGATGTGCGGATCATCTTGGCCAGTTTGACCCAG	1063
DB	694	GTGCCCGTCAAAAACCTGAAGCGCCAGGATGCCGAATCATCTGGGACTTTCTATGAG	753
QY	1064	AATATGGCAGCAAAAGTGTCTGTGTGTCATACGAGGAGAAATGATGTAGTAAATAT	1123
DB	754	ACTGAAGCCCGGAAAGTTTTTTGTGAGGTGTACAAGGAGCGTCTCTTTTGGGAAGATAC	813

QY	1124	CAGTGTGATCAATTCGCGGTGGTACGAGCCTTCTTGTGGGAGCAGGTGCACACGGAAGCC	1183
DB	814	GTCTGGTTCCTCATTTGGGTGGTATGCTGACAAATTTGGTTCAAG-----ATCTACGAC	864
QY	1184	AACTCATCCGCTGCTCGGGAAGAAATCTGTCTGTCGCAATGGAGGGCTACATTTGGCGTG	1243
DB	865	CCTTCTATCAACTGCACAGTGTGATGAGATGACTGAGGCGGTGGAGGGCCACATCAAACT	924
QY	1244	GATTTTCGAGCCCTGAGCTCCAAGCAGATCAAGACCATCTCAGGAAGACTCCACAGCAG	1303
DB	925	GAGATTGTCATGCTGAATCTCTCCCAATACCCGAGCATTTTCCAACATGACATCCCCAGAA	984
QY	1304	TATGAGAGAGAGTCAAAACAAAGCGGTGAGGC-----GTGGGGCCAGCAAGTTTCCAC	1357
DB	985	TTTGTGGGAATAAACAAGCGCATGAAAACACACCCTGAGAGACAGGAGGCTTCCAG	1044
QY	1358	GGGTACGCTACGATGGGATCTGGGTCTATCTGCGAAGACACTCAGAGGGCCATGGAGACA	1417
DB	1045	GAGGCACCGCTGGCCTATGATGCCATCTGGGCTTGGCACTGGCCCTGAACAAGACATCT	1104
QY	1418	CTGCATGCCAGCAGCGGCACCGGATCCAGGACTTCAACTACACGAGACACAGCCTG	1477
DB	1105	GGAGAGGCGCGCTTCTGGTGTGCGCTTGGAGGACTTCAACTACAAACACAGACATTT	1164
QY	1478	GGCAGGATCATCTCAATGCCATGAACGAGACCAACTTCTCGGGGTCAAGGTCAAGTT	1537
DB	1165	ACCGACCAATCTACCGGCANTGAATCTTCTGCTCTTTGAGGGTGTCTCTGGCCATGTG	1224
QY	1538	GTATTCGGAATGGGAGAGAAATGGGACCAATTAATTTACTCAATTTCAAGACAGCAGG	1597
DB	1225	GTGTTGTATGTCAGCGGCTCTCGGATGGCATGGACGCTTATCGAGCAGCTTCAGGGTGGC	1284
QY	1598	GAGGTGAAGTGGGAGAGTACAAACCTGTGGCGGACACACTCGAGATCATCAATGACACC	1657
DB	1285	AGCTACAAGAAGATTGGCTACTATGACACCAAGGATGATCTTTCTTGGTCCAAACAA	1344
QY	1658	ATCAGGTTCCAAAGGATCCGAACCAACAAAGACAAAGACCATCATCTGAGGAGCTGCGG	1717
DB	1345	GATAAATGGATTGGAGGGTCCCGCCAGCTGACAGACCTGGTCTATCAAGACATTCGCG	1404
QY	1718	AAGATCTCCCTACCTCTCTACAGCATCTCTGCGCTCACCATCTCGGGAGTATCATG	1777
DB	1405	TTCTGTGTACAGAAACTCTTTATCTCCGCTCAGTTCTCTCCAGCTGGGCAATTTCTTA	1464
QY	1778	GCCAGTGTCTTCTCTTCTCAACATCAAGAACCGGAATCAGAAGCTCATTAAGATGTCG	1837
DB	1465	GCTGTGTCTGTCTCTCTTTAAACATCTACAACTCACATGTCGCTTATATCCAGAACTCA	1524
QY	1838	AGTCCATACATGAACAAACCTTATCATCTGAGGAGTGTCTCTCTATGCTTCCATATTT	1897
DB	1525	CAGCCCAACCTGAACAACTGACTGCTGTGGGCTGCTCACTGGCTTTAGCTGCTCTTC	1584
QY	1898	CTCTTTGGCCTTGATGGATTCCTTGTCTGTGAAGAAGACTTTGAAACACTTTGACCGCTC	1957
DB	1585	CCCTTGGGCTCGATGTTTACCACTGGGAGAAACCAAGTTTCTCTGCTGCCAGGCC	1644
QY	1958	AGGACTGGATTCTCACCGTGGGCTACAGCAGCTTTTGGGGCCATGTTTGCNAAGACC	2017
DB	1645	CGCCTCTGGCTCTGGGCTTGTAGTCTGGGCTACGGTTTCCATGTTTCCAAAGATT	1704
QY	2018	TGGAGAGTCCAGCCATCTTCAAAAATGTGAATAATGAAGAAGAAATCATCAAGGACC--	2075
DB	1705	TGTTGGTCCACACCGTCTTCAAAAAGAGGAGAAAGAGAGGATGGAGGAGACTCTG	1764
QY	2076	-----AGAACTCTTGTGATCGTGGGGGCATGCTGCTGATCGACTGTGTATCTCTG	2128
DB	1765	GAACCTTGGAGCTGTATGCCACAGTGGGCTGCTGGTGGGATGGAATGCTCTACTCTC	1824
QY	2129	ATCTGCTGGAGGCTGTGGAACCCCTTGCAGAGGACAGTGGAGAAATACAGCATGAGCGG	2188
DB	1825	GCCATCTGGCAGATGTGGACCCCTCTGCACCGGACCATTTGAGACATTTGCCAAGAGGAA	1884

2189	QY	GACCCAGCAGGACGGGATATCTCCATCCGCCCTCTCTCTGGAGCACTGTGAGACACCCCAT	2248
1885	Db	CCTAAGGAAGATATGACGCTCTATTCTGCCCCAGCTGGAGCATTCAGCTCCAGGAAG	1944
2249	QY	ATGACCATCTGGCTTGGCATCTGCTATGCCCTACAAAGGACCTTCTCATGTTGTTTCGGTTGT	2308
1945	Db	ATGAATACATGGCTTGGCATTTTCTATGTTTACAAGGGGCTGCTGCTGCTTGGGAATC	2004
2309	QY	TTCTTAGTCTGGGAGACCCGCAACGTCAGCATCCCGCACCTCAACGACACCAAGTACATC	2368
2005	Db	TTCTTCTGCTTATGAGACCAAGAGTGTTCACCTGAGAAAGATCAATGATACACGGGCTGTG	2064
2369	QY	GGGATGAGTGTCTACAACTGGGGATCATGTGCATCATCGGGCGCTGTCTCTCTCTCG	2428
2065	Db	GGCATGGCTATCTCAATGTGGCAGTCTCTGTGCTCATCATCTGCTCTGTCAACCATGATT	2124
2429	QY	ACCGGACACAGCCCAATGTGCAGTTCTGCATCGTGGCTCTGGTTCATCATCTTTCTGCAGC	2488
2125	Db	CTGTCCAGCCAGCAGGATGCAGCTTTTGCCCTCTCTTGCCATAGTTTCTCTCTCTCC	2184
2489	QY	ACCATCACCTCTGCTCTGGTATTGTCGCCGAAGCTCATACCCCTGGAAC	2538
2185	Db	TATATCACTCTTGTGTGCTCTTGTGCCAAGATGGCAGGCTGATCAC	2234

## RESULT 8

```

US-09-422-936-80
; Sequence 80, Application US/09422936
; Patent No. 6465213
; GENERAL INFORMATION:
; APPLICANT: Ekstrand, Jonas
; TITLE OF INVENTION: NEW NUCLEOTIDE SEQUENCES
; FILE REFERENCE: 06275-165002
; CURRENT APPLICATION NUMBER: US/09/422,936
; CURRENT FILING DATE: 1999-10-22
; PRIOR APPLICATION NUMBER: US 09/242,608
; PRIOR FILING DATE: 1999-02-19
; PRIOR APPLICATION NUMBER: PCT/SE98/01947
; PRIOR FILING DATE: 1998-10-27
; PRIOR APPLICATION NUMBER: SWEDEN 9703914-2
; PRIOR FILING DATE: 1997-10-27
; PRIOR APPLICATION NUMBER: SWEDEN 9800864-2
; PRIOR FILING DATE: 1998-03-16
; PRIOR APPLICATION NUMBER: SWEDEN 9802575-2
; PRIOR FILING DATE: 1998-07-17
; NUMBER OF SEQ ID NOS: 83
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 80
; LENGTH: 2602
; TYPE: DNA
; ORGANISM: Homo sapiens
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)...(315)
; US-09-422-936-80

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Query Match	9.0%	Score 313.6;	DB 4;	Length 2602;
Best Local Similarity	49.1%;	Pred. No. 3,2e-58;		
Matches 996;	Conservative	0;	Mismatches 1004;	Indels 30;
				Gaps 5;

527	Qy	CCGCCGCTGGAACTGGCGATCGACGACGAGTCACTCTCTGGCGCCCTTAC	583
284	Db	CCCGCGTGGAGATGGCGCTGGAGAGCGTGAATAGCGCGAGGACATCTCTCGGAGCTAT	343
584	Qy	TTCTCTCACCTGCGGCTCTATGACACGGAGTGCACACGACAAAGGGTTGAAGCCTTC	643
344	Db	GAGCTCAAGCTCATCCACCGACGACGAAGTGTGATCCAGGCCAAGCCACCAAGTACCTA	403
644	Qy	TACGATGCAATAAATACGGSCCGAACCACTTGATGGTGTGGAGGCGCTGTGCCATCC	703
404	Db	TATGAGCTGCTCTCAACAGACCCCTATCAA---GATCATCTTTATGCTTGGCTGCAGCTCT	460
704	Qy	GTCAATCCCATCATGTGCAGAGTCCCTCCAGGCTGGAAATCTGGTGCAGCTTTCTTTTGCT	763





QY 1418 CTGATGCCAGACGCGGACACGCGGATCCAGGACTTCAACTACACGACACACAGCTG 1477  
Db 1249 GGAGGAGGCGCGGTCTCTGGTGTGCGCTGGAGGACTTCAACTACAAACACGACCAAT 1308  
QY 1478 GCAGGATCATCTCAATGCCATGAACGAGACCAACTTCTCGGGGTACGGGTCAAGTT 1537  
Db 1309 ACGACCAAAATCTACCGGCAATGAATCTTCTGCTCTTTGAGGGTGTCTTGCCCATGTG 1368  
QY 1538 GTATTCCGGAATGGGAGAGATGGGGACCAATTAATTTACTCAATTTCAAGACAGCAGG 1597  
Db 1369 GTGTTTGATGCAGCGCTCTCGATGTCATGAGCGCTTATCAGCAGCTTCAGGGTGC 1428  
QY 1598 GAGTGAAGTGGGAGAGTACACGCTGTGGCGCACACACTGGAGATCATATGACACC 1657  
Db 1429 AGCTAAGAAGATGGCTACTATGACAGCACCAAGGATGATTTTCTGGTCCAAAACA 1488  
QY 1658 ATCAGGTTCCAGGATCCGAACCAACCAAGAACAGACCATCATCTGAGCAGCTGCGG 1717  
Db 1489 GATNAATGATGGAGGTCCTCCCGCCAGCTGACAGACCTGGTCATCAAGACATTCGC 1548  
QY 1718 AAGATCTCCTACCTCTACAGATCTCTCTGCCCCCACCATCCACATCTCGGGATGATG 1777  
Db 1549 TTCTGTACAGAACTCTTTATCTCGTCTCAGTTCTCTCCAGCTGGGCATTTGCTTA 1608  
QY 1778 GCCAGTCTTTCTCTTCTCAACATCAAGAACCGGAATCAGAACTCAATGAAGTGTG 1837  
Db 1609 GCTGTTGTCTGTCTTCTTAACTAATCACTCACTCATGTCCGTTATATCCAGAACTCA 1668  
QY 1838 AGTCCATCATGAACAACTTATCATCTTGGAGGATGCTCTCTATGCTTCCATATTT 1897  
Db 1669 CAGCCAACTGAACAACTGACTGTGTGGGTGCTCTAGTGGCTTGTCTCTTC 1728  
QY 1898 CTCTTTGGCTTGATGGATCTTTGTCTCTGAAAAGACCTTTGAAACATTTGACCGTC 1957  
Db 1729 CCCTGGGCTCGATGTTTACCACATGGGAGAACCACTTCTTCTGCTGCCAGGC 1788  
QY 1958 AGGACCTGATTTCTACCGTGGCTACAGCGCTTTTGGGCGCATGTTGCAAGACC 2017  
Db 1789 CGCTCTGGCTCTGGGCTGGGCTTTAGTCTGGGCTAGCGTTTCTTCCATGTTCCAAAGATT 1848  
QY 2018 TGAGAGTCCAGCATCTTTCAAAATGTGAATGAAGAAGATCATCAAGGACC-- 2075  
Db 1849 TGGTGGTCCACAGCTTCTTCAAGAAGAGGAAGAAAGAGGTGGAGGAGACTCTG 1908  
QY 2076 -----AGAACTGTGTGATGCTGGGGGATGCTGTGATGACCTGTGATCTCTG 2128  
Db 1909 GAACCTGGAAGCTGTATGCCAGTGGGCTGCTGGTGGCATGATGCTCTCACTCTC 1968  
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Db 2029 CCTAAGGAGATATTGAGCTCTATTTCTGCCCGGAGCTGGAGCATTCGAGCTCCAGGAG 2088  
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Db 2089 ATGAATACATGGCTGGCATTTTCTATGTTTACAAGGGGCTGCTGTGCTGTGGGAATC 2148  
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Db 2149 TTCTTTGCTTATGAGCAAGAGTGTGTCACCTGAGAAGATCAATGATCACCGGGCTGTG 2208  
QY 2369 GGATGAGTGTCTAACAGCTGGGGATCATGTGATCATCGGGCGCTGTCTCTCTCTG 2428  
Db 2209 GGATGGCTATCTAATGTGGGAGTCTGTGCTCATCACTGCTCTGTCCACATGAT 2268  
QY 2429 ACCGGGACAGGCTCAATGTGAGTTCTGATCGTGGCTGTGTCATCATCTCTGAGC 2488  
Db 2269 CTGTCCAGCCAGGAGTGTGCGCTTTGCTTTGCGCTCTCTTGCCATAGTTTCTCTCC 2328  
QY 2489 ACCATCACCTCTGCTGTTGTTCTGTCGGAGCTCATCACCTCGAGAAC 2538

Db 2329 TATATCACTCTGTGTGCTCTTTGTGCCAAGATGCCAGGCTGATCAC 2378  
RESULT 10  
US-09-422-936-70  
; Sequence 70, Application US/09422936  
; Patent No. 6465213  
; GENERAL INFORMATION:  
; APPLICANT: Ekstrand, Jonas  
; TITLE OF INVENTION: NEW NUCLEOTIDE SEQUENCES  
; FILE REFERENCE: 06275-165002  
; CURRENT APPLICATION NUMBER: US/09/422,936  
; CURRENT FILING DATE: 1999-10-22  
; PRIOR APPLICATION NUMBER: US 09/242,608  
; PRIOR FILING DATE: 1999-02-19  
; PRIOR APPLICATION NUMBER: PCT/SE98/01947  
; PRIOR FILING DATE: 1998-10-27  
; PRIOR APPLICATION NUMBER: SWEDEN 9703914-2  
; PRIOR FILING DATE: 1997-10-27  
; PRIOR APPLICATION NUMBER: SWEDEN 9800864-2  
; PRIOR FILING DATE: 1998-03-16  
; PRIOR APPLICATION NUMBER: SWEDEN 9802575-2  
; PRIOR FILING DATE: 1998-07-17  
; NUMBER OF SEQ ID NOS: 85  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 70  
; LENGTH: 2700  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (1)...(2697)  
US-09-422-936-70  
Query Match 9.0%; Score 313.6; DB 4; Length 2700;  
Best Local Similarity 49.1%; Pred. No. 3.3e-58;  
Matches 996; Conservative 0; Mismatches 1004; Indels 30; Gaps 5;  
QY 527 CCCGCGTGGAACTGGCCATCGAGCA---GATCCGCAACGAGTCACTCTCTGGCCCTTAC 583  
Db 382 CCCGCGTGGAGATGGCGCTGGAGGACGTGAATAGCCGAGGAGACATCTCTCGGACTAT 441  
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Db 442 GAGCTCAAGCTCATCCACCAGCAGAAAGTGTATCCAGGCCACCCACCAAGTACCTA 501  
QY 644 TACGATGCAATAAAATACGGGCCGAACCACTTGTATGTTGTTGGAGGCGTCTGTCCATCC 703  
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QY 704 GTCAATCATCATTTGACAGTCCCTCCAGGCTGGAATCTGGTGCAGCTTCTTTTGTCT 763  
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Db 619 TCAGTCTACCAAGCCCTGTCAAACCGGACGCTTTCCCACTTCTTCGAGCGCACCCA 678  
QY 824 TCAGACAATGCGGTGAATCCAGCCATTTCTGAAGTTGTCTCAAGCACTTACCAGTGGAGCGC 883  
Db 679 TCAGCCACACTCCACAAACCTACCCTGCGGTGAAGAACTTTTGAAGAGTGGGCTGGAAGAAG 738  
QY 884 GTGGGCACTGACGCAAGACGTTTCAAGGTTCTCTGAGGTGGGAAATGACCTGACTGGA 943  
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QY 1004 ACCAGTGTCAAAGAGCTGAAGGGGAATGATGTGCGGATCATCTTGGCAGTTTGACCAG 1063

859 GTGCCCGTCAAAACCTGAAGCCAGGATGCCCGAATCATCTGGGCACTTTTCTATGAG 918  
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919 ACTGAAGCCCGGAAAGTGTGTTGAGGTGTACAGGAGCGTCTCTTTGGGAAAGATAC 978  
1124 CAGTGATCATTTCCGGGCTGGTACGAGCCTTTCTTGGTGGGAGCAGGTGCACACGGAAGCC 1183  
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1090 GAGATTGTCTGATGCTGCGCAATACCGGAGCAATTTCCAAATGATCATCCAGGAA 1149  
1304 TATGAGAGAGTACAAACAAAGCGGTGAGG-----GTGGGGCCAGCAAGTTTCCAC 1357  
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1210 GAGGCAACCGCTGGCCTTATGATGCCATCTGGGCCCTTGGCACTGGCCCTGAAACAAGACATCT 1269  
1418 CTGCATGCCAGAGCCGCGACAGCGGATCCAGGACTTCAACTACAGGACACACAGCGTG 1477  
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1330 ACCGACCAATCTACCGGCAATGACTCTTGTCTTTGAGGGTGTCTTGGCCATGTG 1389  
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1778 GCGAGTCTTTCTCTTCTTCAACATCAAGAACCGGAATCAGAGCTCAAGATGTCG 1837  
1630 GCTGTTGTCTGTCTGCTTCACTTAACTCAACTCACTGTCGTTTATTCAGAACTCA 1689  
1838 AGTCCATACATGAACCACTTATCATCTTGGAGGATGCTCTCTATGTTTCCATATTT 1897  
1690 CAGCCCACTGAACCACTGACTGCTGTGGGTGCTCTACTGGCTTACTGCTGTCTTC 1749  
1898 CTCCTTGGCCTTGATGGATCTTTGTTGCTCTGAAAAGACCTTTGAAACACTTTTGCACCGTTC 1957  
1750 CCGCTGGGCTCGATGGTTACCACATTTGGGAGAACCAAGTTTCTTCTGCTGCCAGGC 1809  
1958 AGGACTGATGTTCTACCTGGGTACAGACGCTTTTGGGCCATGTTTCAAGACC 2017  
1810 CGCCTCTGCTCTGCGGCTGGGCTTTAGTCTGGGCTACGGTTTCCATGTTTCAACAGATT 1869  
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1930 GAACCTGGAAGCTGTATGCCACAGTGGGCGCTGTGTTGGGATGATGCTCTCACTCTC 1989

2129 ATCTGTGCGAGCTGTGGACCCCTGGGAAGGACAGTGGAGAAGTACAGCATGGAGCCG 2188  
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2110 ATGAATACATGCTTGGCAATTTTCTATGTTTACAAGGGGCTGCTGCTGCTGGGAATC 2169  
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2429 ACCGGGACCGACCAATGTGCAGTCTGTCATCGTGGCTGCTGTCATCATCTTCTGCAGC 2488  
2290 CTGTCCAGCCAGCAGGATGACGCTTGGCTTTGCCCTCTCTTGGCCATAGTTTCTCTCC 2349  
2489 ACCATCACCTCTGCTGTGATTCTGTCGGAAGCTCATCACCTCGAGAAC 2538  
2350 TATATCATCTTGTGTGCTCTTTGTGCCAAGATGCCGAGGCTGATCAC 2399

## RESULT 11

US-09-422-936-48  
; Sequence 48, Application US/09422936  
; Patent No. 6465213  
; APPLICANT: Ekstrand, Jonas  
; TITLE OF INVENTION: NEW NUCLEOTIDE SEQUENCES  
; FILE REFERENCE: 06275-165002  
; CURRENT APPLICATION NUMBER: US/09/422,936  
; CURRENT FILING DATE: 1999-10-22  
; PRIOR APPLICATION NUMBER: US 09/242,608  
; PRIOR FILING DATE: 1999-02-19  
; PRIOR APPLICATION NUMBER: PCT/SE98/01947  
; PRIOR FILING DATE: 1998-10-27  
; PRIOR APPLICATION NUMBER: SWEDEN 9703914-2  
; PRIOR FILING DATE: 1997-10-27  
; PRIOR APPLICATION NUMBER: SWEDEN 9800864-2  
; PRIOR FILING DATE: 1998-03-16  
; PRIOR APPLICATION NUMBER: SWEDEN 9802575-2  
; PRIOR FILING DATE: 1998-07-17  
; NUMBER OF SEQ ID NOS: 85  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 48  
; LENGTH: 2886  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (1)...(2883)  
US-09-422-936-48

Query Match 9.0%; Score 313.6; DB 4; Length 2886;

Best Local Similarity 49.1%; Pred. No. 3.4e-58; Indels 30; Gaps 5;  
Matches 996; Conservative 0; Mismatches 1004;

QY 527 CCCGCGGTGGAACTGGCCATCGAGCA---GATCCGCAACGAGTCACTCTCGCGCCCTTAC 583  
DB 568 CCCGCGGTGGAGATGGCGCTGGAGGACGTGATAGCCGAGGACATCTGCGGACTAT 627  
QY 584 TTTCTGCACTTGGCGCTCTATGACAGGAGTCGCAACAGCAAAAGGGTTGAAAGCTTTC 643  
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DB 688 TATGAGCTGCTCTACAAACGACCTATCAA---GATCATCCTTATGCTGGCTGCACTCT 744  
QY 704 GTACATCATCATATTCAGAGTCCCTCCAAAGGCTGGAATCTGGTGAGCTTTCTTTGTCT 763  
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QY 764 GCAACACAGCTGTCTAGCCGATAGAAAGAAATACCTTTATTTCTTCGGACCGTCCCA 823  
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DB 865 TCAGCCACACTCCACAACCTTACCOCGTGAACCTCTTTGAAAGTGGGCTGGAGAAG 924  
QY 884 GTGGGACGCTGAGCAAGACGTTTCAGAGTTCTCTGAGTGCGGAATGACCTGACTGA 943  
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DB 1276 GAGATTGTATGTGATCTCGCAATACCCGCGAGATTTCNAACATGACATCCAGGAA 1335  
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DB 1456 GGAGGAGCGCGGCTTCTGGTGTGCGCTGGAGGACTTCACTTACAAACACGACCATTT 1515  
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QY 1898 CTCTTTGGCTTGTAGTGGATCTTTCTCTGTAAGAAAGACCTTTGAAACACTTTGCAACCGTC 1957  
DB 1936 CCCCTGGGCTCGATGGTTACCAATTTGGAGGAACCAAGTTTCTTCTGCTGCCAGGCC 1995  
QY 1958 AGGACCTGATTTCTCACCGTGGGCTACAGACCGCTTTTGGGGCCATGTTTGCAAAGACC 2017  
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QY 2018 TGGAGAGTCCAGCGCATCTTCAAAATGTGAAAATGAAAAGAAAGATCATCAAGGACC-- 2075  
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QY 2129 ATCTGCTGGCAGGCTGTGACCCCTCGCAAGGACAGTGGAGAAGTACAGCATGAGAGCG 2188  
DB 2176 GCCATCTGGCAGATCTGGACCTCTGCACCGGACCATTTGAGACATTTGCCAAGAGGAA 2235  
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DB 2416 GGCATGGCTATCTAATGTGGCAGTCTCTGTGCTCATCTGCTCTGTCCACATGATT 2475  
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DB 2476 CTGTCCAGCAGCAGATGACGCTTTGCTTTGCTCTCTTGGCCATAGTTTCTCTCTCC 2535  
QY 2489 ACCATCACCTCTGCTGTGATTCGTGGCGAAGCTCATCACCTGAGAAC 2538  
DB 2536 TATATCACTCTTGTGTGCTCTTTGTGCCAAGATGCGCAGGCTGATCAC 2585

## RESULT 12

US-09-422-936-46  
; Sequence 46, Application US/09422936  
; Patent No. 6465213  
; GENERAL INFORMATION:  
; APPLICANT: Ekstrand, Jonas  
; TITLE OF INVENTION: NEW NUCLEOTIDE SEQUENCES  
; FILE REFERENCE: 06275-165002  
; CURRENT APPLICATION NUMBER: US/09/422,936  
; CURRENT FILING DATE: 1999-10-22  
; PRIOR APPLICATION NUMBER: US 09/242,608  
; PRIOR FILING DATE: 1999-02-19  
; PRIOR APPLICATION NUMBER: PCT/SE98/01947  
; PRIOR FILING DATE: 1998-10-27  
; PRIOR APPLICATION NUMBER: SWEDEN 9703914-2  
; PRIOR FILING DATE: 1997-10-27  
; PRIOR APPLICATION NUMBER: SWEDEN 9800864-2

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; PRIOR FILING DATE: 1998-03-16
; PRIOR APPLICATION NUMBER: SWEDEN 9802575-2
; PRIOR FILING DATE: 1998-07-17
; NUMBER OF SEQ ID NOS: 85
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 46
; LENGTH: 2535
; TYPE: DNA
; ORGANISM: Rattus norvegicus
; FEATURE:
; NAME/KEY: CDS
; LOCATION: (1)...(2532)
US-09-422-936-46

Query Match      8.9%; Score 309.8; DB 4; Length 2535;
Best Local Similarity 47.0%; Pres. No. 2.1e-57;
Matches 1075; Conservative 0; Mismatches 1142; Indels 30; Gaps 5;

Qy 307 GAGCTCGGGCAGCGCGGGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCTGCTACT 366
Db 3 GGGCCCGGGGGAGCCCTGTATCCCAAGTGGGGTGGCGCGCTGCTCTTCTGCTGGTGATGGC 62

Qy 367 GCTACTGCTGCTCGCGCTGCTGCTCTGCGCGCGCGCGCGCGCGCGCGCGCGCGGGG 426
Db 63 GCGTGGGGTGGCTCCGGTGTGGGGCTCTCACTCCCTCTCACTCTCCGCGGGCTCACCGAG 122

Qy 427 CGCCCCCGCGCGCGCGCGCGCGCGCGCTCTCCATCATGGCGCTCATGCGCGTCCAC 486
Db 123 GGTCCCCCGCAGCCCTCTCTCAGAACGGCGTGCAGTATACATCGGGCGCTGTTCCCAT 182

Qy 487 CAAGAGAGTGGCCAAAGGCAAGCATCGGGCGGGTGTGCTCCCCCGCGTGGAACTGGCCAT 546
Db 183 GAGCGGGGGTGGCGGGGGGGCCAGGCGCTGCCAGCGCGGTGGAGATGGCGCTGGAGGA 242

Qy 547 CGAGCAGATCCGCAACGAGTCACTCTCTGCGCCCTACTTCTCGACTCGGCTCTATGA 606
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Db 300 CAGCAAGTGTGACCCAGGGCAGCCCAAGTACTTGTACGAATCTCTTACAATGACCC 359

Qy 667 GAACCACTTGATGGTGTGGAGCGGTCTGTTCATCGGTCACTCCATCATATGCGAGATC 726
Db 360 CATCAAGATCATTTCTATGCTGG---CTGTAGTTCTGTCTCCACACTTGTAGCTGAGGC 416

Qy 727 CCTTCAAGGCTGGAATCTGTGTGACGCTTTCTTTTGTGCGAACACACGCGCTGTTTACGCCGA 786
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Qy 1087 TTGTGCATACGAGGAGAACATGTATGTAGTAAATATCATGTGGATCATCTCCGGCTGGTA 1146
Db 777 TGAGGTTCTAAGAGAAAGGCTCTTTGGGAGAGAGTACGCTGTGGTTCTCTCATCGGTTGGTA 836

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QY 1570 TAAATTTACTCAATTTCAAGACAGCAGGGAGGTGAAGTGGGAGAGTACAAACGCTGTGGC 1629  
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QY 1300 CAAGGATGATCTTCTCGTCCAAACAGATAATGGATTGGAGGTCCCCCCAGCTGA 1359  
Db |||||  
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QY 1360 CCAGACCTGGTTCATCAAGACATTCGGCTTCCTGTCCACAGAAACTCTTATCTCCGCTC 1419  
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QY 1600 GAACCAAGTTTCCCTTCGCTGCGAGCCCGCTCTGGCTCGGGCTGGGCTTTAGTCT 1659  
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QY 1990 CGCTTTTGGGCCATGTTTCAAGACCTGGAGAGTCCAGCCCATCTTCAAAAATGTGAA 2049  
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QY 1660 GGGCTAGGTTCCATGTTCAACAGATTGGTGGTCCACACGGTCTTACAAAGAGA 1719  
Db |||||  
QY 2050 AATGAAGAA-----GAAGATCATCAAGGACCAAGAACTGCTTGTGATCGTGGGG 2100  
Db |||||  
QY 1720 AGAAAGAGAGGAGTGGAGGAAGACTCTGGAACCTTGAAGCTGTATGCGACAGTGGCCT 1779  
Db |||||  
QY 2101 CATGCTGCTGATCGACTGTGTATCTGATCTGCTGGCAGGCTGTGGACCCCTGGGAG 2160  
Db |||||  
QY 1780 GCTGGTGGGATGATGTCCTCACTCTGCGCATCTGGCAGATCGTGGACCCCTTGACCG 1839  
Db |||||  
QY 2161 GACAGTGGAGAGTACAGCATGAGCGGACCCAGCAGGACGGGATATCTCCATCGGCC 2220  
Db |||||  
QY 1840 GACCATGAGACATTTGCCAAGAGGAACTTAAGGAAGATATTGACGCTCTATTTCTGCC 1899  
Db |||||  
QY 2221 TCTCTGGAGCATGTGAGAAACCCCATATGACATCTGGCTGGGATCGTCTATGCGCTA 2280  
Db |||||  
QY 1900 CCAGCTGGAGCATTCAGCTCCAGGAAGATGAATACATGCTTGGCATTTTCTATGGTTA 1959  
Db |||||  
QY 2281 CAAGGACATCTCATGTTGTTGCTGTTTCTTGTAGCTTGGAGACCCGCAACGTCAGCAT 2340  
Db |||||  
QY 1960 CAAGGGGCTGCTGCTGCTGCTGGGAATCTTCTTGTCTTATGAGACCAAGATGTGCTAC 2019  
Db |||||  
QY 2341 CCCCGCACTCAACGACAGCAAGTACATCGGGATGAGTGTCTCAACGTTGGGATCATGTG 2400  
Db |||||  
QY 2020 TGAGAAGATCAATGATCACCGGCTGGGATGGGATCTCAATGATGTCGATCTGTG 2079  
Db |||||  
QY 2401 CATCATGGGGCCCTGTCTCTCTTCTGACCCGGGACCAAGCCCAATGTGCAATTTGCAAT 2460  
Db |||||  
QY 2080 CCTCATCTGCTGCTGCTACCATGATCTGTCCAGCCAGCAGGATGACGCTTTGCTT 2139  
Db |||||  
QY 2461 CGTGGCTCTGATCATCTCTTCTGACACCATCACCCCTGCTGCTGTTCTGTCGGAA 2520  
Db |||||  
QY 2140 TGCCCTCTCTTGGCATAGTTTCTCTCTCTATATCACTTGTGCTCTTGTGCTCCAA 2199  
Db |||||  
QY 2521 GCTCATCACCTCGAAGAC 2538  
Db |||||  
QY 2200 GATGCCGAGCTGATCAC 2217  
Db |||||

; GENERAL INFORMATION:  
; APPLICANT: Ekstrand, Jonas  
; TITLE OF INVENTION: NEW NUCLEOTIDE SEQUENCES  
; FILE REFERENCE: 06275-165002  
; CURRENT APPLICATION NUMBER: US/09/422,936  
; CURRENT FILING DATE: 1999-10-22  
; PRIOR APPLICATION NUMBER: US 09/242,608  
; PRIOR FILING DATE: 1999-02-19  
; PRIOR APPLICATION NUMBER: PCT/SE98/01947  
; PRIOR FILING DATE: 1998-10-27  
; PRIOR APPLICATION NUMBER: SWEDEN 9703914-2  
; PRIOR FILING DATE: 1997-10-27  
; PRIOR APPLICATION NUMBER: SWEDEN 9800864-2  
; PRIOR FILING DATE: 1998-03-16  
; PRIOR APPLICATION NUMBER: SWEDEN 9802575-2  
; PRIOR FILING DATE: 1998-07-17  
; NUMBER OF SEQ ID NOS: 85  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 78  
; LENGTH: 1692  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (1)....(1689)  
US-09-422-936-78

Query Match 6.0%; Score 209; DB 4; Length 1692;  
Best Local Similarity 53.5%; Pred. No. 9.5e-36;  
Matches 465; Conservative 0; Mismatches 395; Indels 9; Gaps 1;

QY 1679 CCACCAAAAGACAAACACCATCATCTGGAGCAGCTGCGGAAGATCTCCCTACTCTCTAC 1738  
Db |||||  
QY 523 CCCCCAGCTGACAGACCCCTGGTCAACAAGACATTCGCTTCTGTCACAGAAACTCTTT 582  
Db |||||  
QY 1739 AGCATCTCTCTGCTCCTCACCATCTCGGGATGATCATGCGCAGTGTCTTTCTCTCTTC 1798  
Db |||||  
QY 583 ATCTCGGCTCAGTCTCTCCAGCTGGGCATGTCCTAGCTGTGTCTGCTGTCTCTTT 642  
Db |||||  
QY 1799 AACATCAAGAACCGGAATCAGAAAGTCTAATAAGATGTGAGTCCATATAGAACAACTTT 1858  
Db |||||  
QY 643 AACATCTACAACCTCATGTCGTTTATATCCAGAACTCACAGCCCAACCTGAACAACTG 702  
Db |||||  
QY 1859 ATCATCTTGGAGGATGCTCTCTATGCTTCCATATTTCTTTGGCTTGTATGATGCC 1918  
Db |||||  
QY 703 ACTGTGTGGGCTGTCTACTGCTTGTAGCTGTGTCTTCCCCCTGGGGCTCGATGTTAC 762  
Db |||||  
QY 1919 TTTGTCTCTGAAAAGACCTTTGAAAACACTTTGCAACCGTCAGGACCTGGATTCTCACCGTG 1978  
Db |||||  
QY 763 CACATTTGGAGGAACCAAGTTTCTTTCGCTCGCAGGCCCGCTCTGGCTCCTGGGCCGTG 822  
Db |||||  
QY 1979 GGCTACACACCGCTTTTGGGGCCATGTTTGAAGACCTCGAGAGTCCACGCCATCTTC 2038  
Db |||||  
QY 823 GGCTTTAGTCTGGGCTACGTTTCCATGTTTCAACAAGATTTGGTGGGTCCACACGGTCTTC 882  
Db |||||  
QY 2039 AAAATGTGAAAATGAGAA-----GAAGATCATCAAGACCAAGAACTGCTGTG 2089  
Db |||||  
QY 883 ACAAGAAAGAGAAAGAAAGAGTGGAGGAAGACTCTGGAACCCCTGGAAGCTGTATGCC 942  
Db |||||  
QY 2090 ATCTGTGGGGGATGCTGCTGATCGACCTGTGTATCTGATCTGCTGGCAGGCTGTGGAC 2149  
Db |||||  
QY 943 ACAGTGGGCTGCTGTGGGATGATGATGCTCTCTGCCATCTGGCAGATCGTGGAC 1002  
Db |||||  
QY 2150 CCCCTGCGAAGACAGTGGAGAAAGTACAGATGAGAGCCGAGCCGAGCAGGAGATATC 2209  
Db |||||  
QY 1003 CCTCTGCACCGGACCAATTGAGACATTTGCAAGGAGAACTTAAGGAAGATATTGACGTC 1062  
Db |||||  
QY 2210 TCCATCCGCCCTCTCTGAGCAGCTGTGAGAACCCCATATGACCATCTGGCTTGGCATC 2269  
Db |||||  
QY 1063 TCTATTTCTGCCAGCTGGAGCATTCAGCTCCAGGAAGATGAATACATGGCTTGGCATT 1122  
Db |||||  
QY 2270 GTCTATGCTTACAAGGAGCTTCTCATGTTGTTGCGTGTGTTTCTTAGCTTTGGAGACCCGC 2329  
Db |||||



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Db      1123 TTCTATGGTTACAAGGGGCTGTGCTGCTGGGAATCTTCTTGTGTTATGAGACCAAG 1182
Qy      2330 AACGTCAGCATCCCGCACTCAACGACAGCAAGTACATCGGGATGAGTGTCTACACGTC 2389
Db      1183 AGTGTGTCCACTGAGAGATCATATGATCACCGGGCTGTGGCATGGCTATCTACATGTG 1242
Qy      2390 GGGATCATGTGCATCATCGGGGCGGTGTCTCTTCTGACCCGGGACCCAGCCCAATGTG 2449
Db      1243 GCAGTCCTGTGCCTCATCTACTGCTCTGTCAACCATGATTCTGTCCAGCCAGCAGGATGCA 1302
Qy      2450 CAGTTCTGCATCGTGGCTCTGTGTCATCATCTTCTGCGAGCACCATCACCCCTCTGCCCTGTA 2509
Db      1303 GCCTTTGGCCTTTGGCCTCTCTTGCCATAGTTTCTCTCTCTATATCACTCTTGTGTGCTC 1362
Qy      2510 TTCGTGCCGAAGCTCATCACCCCTGAGAAC 2538
Db      1363 TTTGTGCCCAAGATGGCGAGGCTGATCAC 1391

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Search completed: June 3, 2004, 23:50:55  
 Job time : 247.264 secs

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Db 301 RCLRNLLAAAMEGYIGVDFEPLSSKQIKTISGTPQOYEREYNNKRGSGVPSKFGHAYD 360  
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Db 361 GIWIAKTLORAMETLHASSRHORIQDFNYTDHTLGRILNANMETNFFGVTCQVVFNRG 420  
QY 421 ERMGTKFTQFQDSREVKVGEYNAVADTLEIINDTIRFOGSEPPKDKTIIIEQLRKISLP 480  
Db 421 ERMGTKFTQFQDSREVKVGEYNAVADTLEIINDTIRFOGSEPPKDKTIIIEQLRKISLP 480  
QY 481 LYSILSALTILGIMASAFLENNKRNOKLIKMSPPYNNLIILGMLSYASIFLFGLD 540  
Db 481 LYSILSALTILGIMASAFLENNKRNOKLIKMSPPYNNLIILGMLSYASIFLFGLD 540  
QY 541 GSFVSEKTFETLCTVTRWILTVGTTAFGAMFAKTRVHAIFKNVNMKKKIIKDQKLLVI 600  
Db 541 GSFVSEKTFETLCTVTRWILTVGTTAFGAMFAKTRVHAIFKNVNMKKKIIKDQKLLVI 600  
QY 601 VGMMLIDLCILICQAVDPLRRTVEKYSMEPPDAGRDISIRPLLEHCENTHMTIWLGI 660  
Db 601 VGMMLIDLCILICQAVDPLRRTVEKYSMEPPDAGRDISIRPLLEHCENTHMTIWLGI 660  
QY 661 YAYKGLMLFGCFLAMETRNVSPALNDSKYIGMSVYNNVIMCIIIGAAVSFLTRDQPNVQ 720  
Db 661 YAYKGLMLFGCFLAMETRNVSPALNDSKYIGMSVYNNVIMCIIIGAAVSFLTRDQPNVQ 720  
QY 721 FCIVALVIFCSYITILCLVFPVKLITLRTNPDAAATQNRFFQTONOKKEDSKTSTSV 780  
Db 721 FCIVALVIFCSYITILCLVFPVKLITLRTNPDAAATQNRFFQTONOKKEDSKTSTSV 780  
QY 781 NQASTSRLEGLOSENHRLMKITELDKOLBEVTMQLDTPKTTYIKQNHYSQELNDILNL 840  
Db 781 NQASTSRLEGLOSENHRLMKITELDKOLBEVTMQLDTPKTTYIKQNHYSQELNDILNL 840  
QY 841 GNFTSTGGKAILKNHLDQNPOLQWNTTSPSTCKDPIEDINSPEHIQRRLSQLPILH 900  
Db 841 GNFTSTGGKAILKNHLDQNPOLQWNTTSPSTCKDPIEDINSPEHIQRRLSQLPILH 900  
QY 901 HAYLPSIGGVASCVCSPVSPASPRHRHVPPSPFRVMSGL 941  
Db 901 HAYLPSIGGVASCVCSPVSPASPRHRHVPPSPFRVMSGL 941

## RESULT 2

US-09-183-253-2  
; Sequence 2, Application US/09183253  
; Patent No. 6043054  
; GENERAL INFORMATION:  
; APPLICANT: VAMTER, LISA  
; APPLICANT: STAMMERS, MELANIE  
; TITLE OF INVENTION: NOVEL COMPOUNDS  
; NUMBER OF SEQUENCES: 4  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Ratner & Prestia  
; STREET: P.O. Box 980  
; CITY: Valley Forge  
; STATE: PA  
; COUNTRY: USA  
; ZIP: 19482  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: DOS  
; SOFTWARE: FastSeq for Windows Version 2.0  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/183,253  
; FILING DATE: 30-OCT-1998  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 9817907.0  
; FILING DATE: 17-AUG-1998  
; APPLICATION NUMBER: 60/075,306

FILING DATE: 20-FEB-1998  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Prestia, Paul F  
; REGISTRATION NUMBER: 23,031  
; REFERENCE/DOCKET NUMBER: GP-70395  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 610-407-0700  
; TELEFAX: 610-407-0700  
; TELEX: 846169  
; INFORMATION FOR SEQ ID NO: 2:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 859 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
; US-09-183-253-2  
Query Match 89.8%; Score 4436.5; DB 3; Length 859;  
Best Local Similarity 92.8%; Pred. No. 0;  
Matches 858; Conservative 0; Mismatches 0; Indels 67; Gaps 1;  
QY 17 PPPARLLLLLLLLPLAPGAWGARGAPPPSPPLSINGMLMPLTKEVAKSIGRG 76  
Db 2 PPPARLLLLLLLLPLAPGAWGARGAPPPSPPLSINGMLMPLTKEVAKSIGRG 61  
QY 77 VLPVAVELATEIQIRNESLLRPYFLDLRLYTECDNAKGLKAFYDAIKYGNHLMVFGVCP 136  
Db 62 VLPVAVELATEIQIRNESLLRPYFLDLRLYTECDNAKGLKAFYDAIKYGNHLMVFGVCP 121  
QY 137 SVTSTIAESLOGNLVQLSFAATTPVLADKKYPPFFRTVPSDNANVNPAILKLLKHQWK 196  
Db 122 SVTSTIAESLOGNLVQLSFAATTPVLADKKYPPFFRTVPSDNANVNPAILKLLKHQWK 181  
QY 197 RVGTLTQDVQRSEVRNDLTGLVYGEDIEISDTESFNDPCTSVKLLKGNDRVRIILQGF 256  
Db 182 RVGTLTQDVQRSEVRNDLTGLVYGEDIEISDTESFNDPCTSVKLLKGNDRVRIILQGF 241  
QY 257 QNMAAKVFCCAEYENMYGKYQWIIPGWYEPSWWEQVHTSEANSSRLKNNLLAAMEGYIG 316  
Db 242 QNMAAKVFCC----- 251  
QY 317 VDFEPLSSKQIKTISGTPQOYEREYNNKRGSGVPSKFGHAYDGIWIAKTLORAMETL 376  
Db 252 -----TPQOYEREYNNKRGSGVPSKFGHAYDGIWIAKTLORAMETL 294  
QY 377 HASSRHORIQDFNYTDHTLGRILNANMETNFFGVTCQVVFNRGERMGTIKFTQFQDSRE 436  
Db 295 HASSRHORIQDFNYTDHTLGRILNANMETNFFGVTCQVVFNRGERMGTIKFTQFQDSRE 354  
QY 437 VKVGEYNAVADTLEIINDTIRFOGSEPPKDKTIIIEQLRKISLPLYSILSALTILGIM 496  
Db 355 VKVGEYNAVADTLEIINDTIRFOGSEPPKDKTIIIEQLRKISLPLYSILSALTILGIM 414  
QY 497 SAFLENNKRNOKLIKMSPPYNNLIILGMLSYASIFLFGLDGSGVSEKTFETLCTVR 556  
Db 415 SAFLENNKRNOKLIKMSPPYNNLIILGMLSYASIFLFGLDGSGVSEKTFETLCTVR 474  
QY 557 TWILTGVYTTAFGAMFAKTRVHAIFKNVNMKKKIIKDQKLLVIVGMLLIDLCILICWQ 616  
Db 475 TWILTGVYTTAFGAMFAKTRVHAIFKNVNMKKKIIKDQKLLVIVGMLLIDLCILICWQ 534  
QY 617 AVDPLRRTVEKYSMEPPDAGRDISIRPLLEHCENTHMTIWLGIYVAYKGLMLFGCPLAW 676  
Db 535 AVDPLRRTVEKYSMEPPDAGRDISIRPLLEHCENTHMTIWLGIYVAYKGLMLFGCPLAW 594  
QY 677 ETRNVSPALNDSKYIGMSVYNNVIMCIIIGAAVSFLTRDQPNVQFCIVALVIFCSTITL 736  
Db 595 ETRNVSPALNDSKYIGMSVYNNVIMCIIIGAAVSFLTRDQPNVQFCIVALVIFCSTITL 654  
QY 737 CLVFPVKLITLRTNPDAAATQNRFFQTONOKKEDSKTSTSVTQASTSRLEGLOSENH 796  
Db 655 CLVFPVKLITLRTNPDAAATQNRFFQTONOKKEDSKTSTSVTQASTSRLEGLOSENH 714

QY 797 RLRMKITELDKOLEEVTMOLODTPKTYIKQNHQELNDILNMGFTSTDCGKAILKN 856  
Db 715 RLRMKITELDKOLEEVTMOLODTPKTYIKQNHQELNDILNMGFTSTDCGKAILKN 774  
QY 857 HLDQNPOLQWNTPEPRTCKOPIEDINSPEHIQRRLSLQPLILHHAFLPSIGVDASCVS 916  
Db 775 HLDQNPOLQWNTPEPRTCKOPIEDINSPEHIQRRLSLQPLILHHAFLPSIGVDASCVS 834  
QY 917 PCVSPASPRHRHVPSPFVMSGL 941  
Db 835 PCVSPASPRHRHVPSPFVMSGL 859

RESULT 3  
US-09-183-253-4  
; Sequence 4, Application US/09183253  
; Patent No. 6043054  
; GENERAL INFORMATION:  
; APPLICANT: VAWTER, LISA  
; APPLICANT: STAMMERS, MELANIE  
; TITLE OF INVENTION: NOVEL COMPOUNDS  
; NUMBER OF SEQUENCES: 4  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Ratner & Prestia  
; STREET: P.O. Box 980  
; CITY: Valley Forge  
; STATE: PA  
; COUNTRY: USA  
; ZIP: 19482  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: DOS  
; SOFTWARE: FastSeq for Windows Version 2.0  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/183,253  
; FILING DATE: 30-OCT-1998  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:  
; APPLICATION NUMBER: 9817907.0  
; FILING DATE: 17-AUG-1998  
; APPLICATION NUMBER: 60/075,306  
; FILING DATE: 20-FEB-1998  
; ATTORNEY/AGENT INFORMATION:  
; NAME: Prestia, Paul F  
; REGISTRATION NUMBER: 23,031  
; REFERENCE/DOCKET NUMBER: GP-70395  
; TELECOMMUNICATION INFORMATION:  
; TELEPHONE: 610-407-0700  
; TELEFAX: 610-407-0700  
; TELEX: 846169  
; INFORMATION FOR SEQ ID NO: 4:  
; SEQUENCE CHARACTERISTICS:  
; LENGTH: 332 amino acids  
; TYPE: amino acid  
; STRANDEDNESS: single  
; TOPOLOGY: linear  
; MOLECULE TYPE: protein  
US-09-183-253-4

Query Match 33.3%; Score 1645; DB 3; Length 332;  
Best Local Similarity 99.7%; Pred. No. 1.2e-135;  
Matches 318; Conservative 1; Mismatches 0; Indels 0; Gaps 0;  
QY 384 RIQDFNYTDHTLGRILNANMETNFFGVTCQVQVFRNGERMGTIKFTQFQDSREVKGVEYN 443  
Db 1 RIQDFNYTDHTLGRILNANMETNFFGVTCQVQVFRNGERMGTIKFTQFQDSREVKGVEYN 60  
QY 444 AVADTLEIINDTIRFGQSPBPDKTIIQLQRLKISILPLYSILSALTILGMINASAPLFFN 503  
Db 61 AVADTLEIINDTIRFGQSPBPDKTIIQLQRLKISILPLYSILSALTILGMINASAPLFFN 120

QY 504 IKNRNOKLIKMSPPYNNLIILGMLSYASIFLFGLDGSFVSEKTFETLCTVTRTWLTVG 563  
Db 121 IKNRNOKLIKMSPPYNNLIILGMLSYASIFLFGLDGSFVSEKTFETLCTVTRTWLTVG 180  
QY 564 YTTAFGAMPAKTWRVHAIFPNVNMKKKIIKDOKLLVIVGMLLIDILCILICQAVDPLRR 623  
Db 181 YTTAFGAMPAKTWRVHAIFPNVNMKKKIIKDOKLLVIVGMLLIDILCILICQAVDPLRR 240  
QY 624 TVEKYSMEPDPAGRDISIRPLEHCENTHMTIWLGIYVAYKGLLLMFGCFLAWETRNVSI 683  
Db 241 TVEKYSMEPDPAGRDISIRPLEHCENTHMTIWLGIYVAYKGLLLMFGCFLAWETRNVSI 300  
QY 684 PALNDSKYIGMSVYVNVGIM 702  
Db 301 PALNDSKYIGMSVYVNVGII 319  
RESULT 4  
US-09-422-936-47  
; Sequence 47, Application US/09422936  
; Patent No. 6465213  
; GENERAL INFORMATION:  
; APPLICANT: Ekstrand, Jonae  
; TITLE OF INVENTION: NEW NUCLEOTIDE SEQUENCES  
; FILE REFERENCE: 06275-165002  
; CURRENT APPLICATION NUMBER: US/09/422,936  
; CURRENT FILING DATE: 1999-10-22  
; PRIOR APPLICATION NUMBER: US 09/242,608  
; PRIOR FILING DATE: 1999-02-19  
; PRIOR APPLICATION NUMBER: PCT/SE98/01947  
; PRIOR FILING DATE: 1998-10-27  
; PRIOR APPLICATION NUMBER: SWEDEN 9703914-2  
; PRIOR FILING DATE: 1997-10-27  
; PRIOR APPLICATION NUMBER: SWEDEN 9800864-2  
; PRIOR FILING DATE: 1998-03-16  
; PRIOR APPLICATION NUMBER: SWEDEN 9802575-2  
; PRIOR FILING DATE: 1998-07-17  
; NUMBER OF SEQ ID NOS: 85  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 47  
; LENGTH: 844  
; TYPE: PRT  
; ORGANISM: Rattus norvegicus  
US-09-422-936-47

Query Match 26.1%; Score 1290; DB 4; Length 844;  
Best Local Similarity 35.6%; Pred. No. 7.1e-104;  
Matches 296; Conservative 161; Mismatches 318; Indels 56; Gaps 18;  
QY 10 PGPPPPPPPPPARLLLLLLPLAPG-ANGWARGA---PRPPSPSP-----LS 57  
Db 3 PGCPCTPVGWP-----LPILLVMAAGVAPVWASHSHPLRPHRPVPHPSERRAVY 54  
QY 58 IMGLMPLTKVAKSGISRGVLPVELAIEQIRN-ESLLRPYFLDLRLYTECDNAKGLKA 116  
Db 55 IGALEPMS---GWPGGQACQPAVEMALBDVNSRRDILPDYELKLTTHDSKCDPGQATKY 111  
QY 117 FYDAIKYGNHLMVFGGVCPSVTSIIAESLQGNLVLSFAATTPLADKKKYPYFRTV 176  
Db 112 LYELLYNDPIKILMPG-CSSVSTLVAEAAARMNLIVLSYGSSSPALSRRQFPPTFRTH 170  
QY 177 PSDNAVNPAILKLLKHQYKRGVTLTQDVQRTSEVRNDDTLGVLYGDDIISDTSEFSNDP 236  
Db 171 PSATLHNPTRVKLFPEKMGWKIATIQOTTEVTSTLDDLEERVKEAGIITFQSFSDP 230  
QY 237 CTSVKKLKGNVRIILGQFDQNMMAKVFCCAYEENMYGSKYQWIPFGWYEPSPMWEQVHTE 296  
Db 231 AVPVNKLKQDARIIVGLFYETEARKVFCVYKERLFGKKYVWFLIGWADNWFK---TY 287  
QY 297 ANSSRCLRNKLLAAMEGYIGVDPEPLSSKQIKTISGKTPOQYERENYNNKSGVGPSPKPHG 356  
Db 288 DPSINCTVEEMTEAVEGHITTEIVMLNPANTRSISNMTSQEFV-EKLTKRKRHPBETGG 346

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QY 357 Y-----AYDGIWVIKTLQAMETLHASSRH-ORIQDFNYTDHTLGRILNANMETNFEF 410
DB 347 FQAPLAYDAIWAALALNK---TSGGGRSGVRLEDFNNQITTDQIYRAWNSSEFEG 403
QY 411 VTQGVVF-RNGERMGTIKFTQFQDSREVKVGEYNAVADTLEIINDIRFOGSEPPDKTI 469
DB 404 VSGHVVDASGRMAWTLIEQLQGGSYKKIGYDSTKDDLS-WSKTDKWIGGSPPADQTL 462
QY 470 ILBOLARKISPLYSILSALTILGMWASAFLEFNKRNOKLIMSSPYNNLILGML 529
DB 463 VIKTRFPLSKQLFTISVLSLGLVAVCLSFNINSHVRYIQNSQPNLNLTAVCGL 522
QY 530 SYASIFLPGDGSFVSEKTEFETLCTVTRTWLTGYTTAFGAMFAKTRVHAIFKNVMMK 589
DB 523 ALAAVPLGLDGYHIGRSQPFVQCARLWLLGLGSLGYSMTFKIWWHTVFTKBEKK 582
QY 590 ---KIHKDQKLLVTVGMLLIDILICICQAVDPLRRTVEKYSWEPDPAGRDISIRPLE 646
DB 583 EWRKTLKPLKLYATVGLLVGMVDVLTALWQIVDPLHRTIETFAKEPKEDIDVILPQLE 642
QY 647 HCENTHMTIWLGIYAYKGLMLFGCFLAWETRNVSIPALNDSKYIGMSVYNGVMCIIG 706
DB 643 HCSSKXNWTWLGIFYKGLLLGLLGLFLAYETKSVSTEKINDHRAVGMALYNAVLCILIT 702
QY 707 AAVSFLTRDPNVQFCIVALIIFCSTITLCLVFPVKLITLRNPDAATONRRFQFTNQ 766
DB 703 APVTMILSQODAAFAFASALVAFSSYITLVLFVPMKRLITRGE-----WQSE 752
QY 767 KEDSKTSTSVTSVNOASTSRLESGLOSENHRLRMKITELDKLDEEVTMQLQ 817
DB 753 TQDTMTKGS--TNNBEEKSRL--LEKENRELEKIIAEKEERVSELRLHQLQ 800
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## RESULT 5

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US-09-422-936-51
; Sequence 51, Application US/09422936
; Patent No. 6465213
; GENERAL INFORMATION:
; APPLICANT: Ekstrand, Jonas
; TITLE OF INVENTION: NEW NUCLEOTIDE SEQUENCES
; FILE REFERENCE: 06275-165002
; CURRENT APPLICATION NUMBER: US/09/422,936
; CURRENT FILING DATE: 1999-10-22
; PRIOR FILING DATE: 1999-02-19
; PRIOR APPLICATION NUMBER: US 09/242,608
; PRIOR FILING DATE: 1998-10-27
; PRIOR APPLICATION NUMBER: PCT/SE98/01947
; PRIOR FILING DATE: 1998-10-27
; PRIOR APPLICATION NUMBER: SWEDEN 9703914-2
; PRIOR FILING DATE: 1997-10-27
; PRIOR APPLICATION NUMBER: SWEDEN 9800864-2
; PRIOR FILING DATE: 1998-03-16
; PRIOR APPLICATION NUMBER: SWEDEN 9802575-2
; PRIOR FILING DATE: 1998-07-17
; NUMBER OF SEQ ID NOS: 85
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 51
; LENGTH: 844
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-422-936-51
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Query Match 25.7%; Score 1269; DB 4; Length 844;
Best Local Similarity 35.5%; Pred. No. 4.9e-102;
Matches 288; Conservative 161; Mismatches 315; Indels 48; Gaps 17;
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QY 29 LPLLLPLAPG-ANGWARGA---PRPPSSPP-----LSINGMLPLTKEVAKSGISGRG 76
DB 14 LPLLVVMAAGVAPVWASHPHLPRPHSRVPPHPSSEERRAVIIGALPMS---GWWPGGQA 70
QY 77 VLPVAVELAIQIRN-ESLLRPYFLDLRYDTECDNAKGLKAFYDAIKYGNPHLMVGGVC 135
DB 71 CQPAVEMALDVNSRRDIPDYELKLTHHDSKCDPGQATKLYELLYNDPIKILMPG-C 129
```

```
QY 136 PSVTSIIAESLQGMNLVOLSEAAATPVLADKKYPVFFRTVPDNDNNAVNPAILKLLKHQY 195
DB 130 SSVSTLVAABAARMNLIVLSYSSSPALSNRQRFPTFFRTHSATLHNTRVKLPKXGW 189
QY 196 KRVTGLTQDVQRFSEVRNDLTGLVLYGEDIIEISDTESFSDPCTSVKKGNDVRIILGQF 255
DB 190 KKIATIQQTTEVFTSTLDDLEERVKEAGIEITFRQSFFSDPAVPVKNLAKQDARIIVGLF 249
QY 256 DQMAAKVPCCAEYENMYGSKYQWIIIPGWYFSEWHEQVTEANSRCLRNLLAAMEGYI 315
DB 250 YETEARKEVCEVYKERLFGKTYVWFLIGYADWNFKIYDPSIN---CTVDEMTAEVGEHI 306
QY 316 GVDPELSSKQIKTSGKTPQOYERENYNNKRSVGSFKPHGY-----AYDGIWVIKTLQ 370
DB 307 TTEIVMLNPANTRISNMTSQBFV-EKLTFRUKRHEETGGFQEAPLAYDAIWAALALN 365
QY 371 RAMETLHASSRH-ORIQDFNYTDHTLGRILNANMETNFEFVTGTQGVVF-RNGERMGTIKF 428
DB 366 K---TSGGGRSGVRLEDFNNQITTDQIYRAWNSSEFEGVSGHVVFDAASGRMAWTLI 422
QY 429 TQFQDSREVKVGEYNAVADTLEIINDIRFOGSEPPDKTIILEQURKISLPLYSILSAL 488
DB 423 EQLQGGSYKKIGYDSTKDDLS-WSKTDKWIGGSPPADQTLVIKTRFSLSKQLFISVSVL 481
QY 489 TILGMIMASAFLEFNKRNOKLIMSSPYNNLILGCMLSYASIFLGLDGSFVSEKT 548
DB 482 SSLGIVLAVVCLSFNINSHVRYIQNSQPNLNLTAVGCSLAALAAVPLGLDGYHIGRNQ 541
QY 549 FETLCTVTRTWLTGYTTAFGAMFAKTRVHAIFKNVMMK---KIHKDQKLLVIVGML 605
DB 542 FPFVQCARLWLLGLGSLGYSMTFKIWWHTVFTKKEEKWKRTLEPKLYATVGLLV 601
QY 606 LIDLCLICQAVDPLRRTVEKYSWEPDPAGRDISIRPLEHCENTHMTIWLGIYAYKG 665
DB 602 GMDVLTALWQIVDPLHRTIETFAKEPKEDIDVILPQLEHCSSRKNMTWLGIFYGKG 661
QY 666 LMLFGCFLAWETRNVSIPALNDSKYIGMSVYNGVMCIIGAAVSPFLTRDPNVQFCIVA 725
DB 662 LLLLGLFLAYETKSVSTEKINDHRAVGMALYNAVLCILITAPVTMILSQODAAFAFAS 721
QY 726 LVIIFCSTITLCLVFPVKLITLRNPDAATONRRFQFTQNKEDSKTSTSVTSVNOAST 785
DB 722 LAIVFSSYITLVLFVPMKRLITRGE-----WQSEAQDTMTKGS--TNNBEEK 770
QY 786 SRLEGLQSENHRLRMKITELDKLDEEVTMQLQ 817
DB 771 SRL--LEKENRELEKIIAEKEERVSELRLHQLQ 800
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## RESULT 6

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US-09-422-936-77
; Sequence 77, Application US/09422936
; Patent No. 6465213
; GENERAL INFORMATION:
; APPLICANT: Ekstrand, Jonas
; TITLE OF INVENTION: NEW NUCLEOTIDE SEQUENCES
; FILE REFERENCE: 06275-165002
; CURRENT APPLICATION NUMBER: US/09/422,936
; CURRENT FILING DATE: 1999-10-22
; PRIOR FILING DATE: 1999-02-19
; PRIOR APPLICATION NUMBER: US 09/242,608
; PRIOR FILING DATE: 1998-10-27
; PRIOR APPLICATION NUMBER: PCT/SE98/01947
; PRIOR FILING DATE: 1998-10-27
; PRIOR APPLICATION NUMBER: SWEDEN 9703914-2
; PRIOR FILING DATE: 1997-10-27
; PRIOR APPLICATION NUMBER: SWEDEN 9800864-2
; PRIOR FILING DATE: 1998-03-16
; PRIOR APPLICATION NUMBER: SWEDEN 9802575-2
; PRIOR FILING DATE: 1998-07-17
; NUMBER OF SEQ ID NOS: 85
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 77
; LENGTH: 886
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; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-422-936-77

Query Match      25.5%; Score 1259; DB 4; Length 886;
Best Local Similarity 33.9%; Pred. No. 4e-101;
Matches 295; Conservative 161; Mismatches 311; Indels 102; Gaps 20;

QY 23 LLLLLLLPLPLPLAPGAWGARGAPPPSS-----PP-----LSIMGL 61
Db 2 LLLLLLAPLPL-RPPG-----AGGAQTPNATSEGCQIHPHWEGGIRYGLTRDQVKAINF 56

QY 62 MPLTKEV-----AKGS-----AYDGIWVIKTIORAM 373
Db 57 LPVDYBIEYVCRGEREVGVGPKVKLANGSWTDMTPSCRRVAVIG-ALFP 115

QY 80 AVELATEQTRN-ESLRPYFLDLRLYTECDNAKGLKAFYDAIKYGNHLMVPGVCPSV 138
Db 116 AVEALEDVNSRRDILPDYELKLIHDSKCDPGQATKYLYELLYNDPIKILMPG-CSSV 174

QY 139 TSIIAESLQGNLVQLSFAATTPLADKKYPVFERTVPSDNVAVNPAIKLKLKHQYQWKR 198
Db 175 STIUVGAARMNNLIVLSYGSSPALSNRRQRPFFRTHPSATLHNTRVKLFPEKWKKI 234

QY 199 GTLTQDVQRFSEVRNDLTGVLYGEDIEISDTESFSDPCTSVKVLKGNDRVRIILGQDQ 258
Db 235 ATIQOTTEVFTSLDDLEERVKEAGIEITFRQSFSDPAPVPVKNLKRQDARIIVGLFYET 294

QY 259 MAAKVFCCAYEENMYGSKYQWIIIPGWYEPSSWQVHTEANSRCLRNLLAAMEGVIGVD 318
Db 295 EARKVFCEVYKERLFGKYYWFLIGYADNWFKIYDPSIN---CTVDEMTAEVGEHITTE 351

QY 319 FEPLSSKQIKTISGKTPQOYERENYNNKRGVGSFKFHGY-----AYDGIWVIKTIORAM 373
Db 352 IVMNLNANTRISNMTSQEFV-EKLTRELKRHPETGGFQAEPLAYDAIWAALALNK-- 408

QY 374 ETLHASSRH-QRIODFNHTDHTLGRILNANMETNFFGVGTQGVF-RNGERMGTIKFTOF 431
Db 409 -TSGGGGRSGVRLEDNFNNQTTDQIYRANSSSPEGVSGHVVPDASGRMAWTILEQL 467

QY 432 QDSREVKVGEYNAVADTLEIINDTIRFGSEPPKDTIILBQLRKISLPLYSILSALTIL 491
Db 468 QGGSYKKIGYDSTKDDLS-WSKTDKWIIGGSPPADQTLVKTFRFLSKLFTISVLSL 526

QY 492 GIMASAFEFNFKNKNQKLIKMSYPVNNLITLGGMLSVASITFLGLDGSFVSEKTPET 551
Db 527 GIVLAVVCLSFNINSHVRVYQNSQPNLNLTAVGCSLALAAVPLGLDGYHGRNQFPF 586

QY 552 LCTVRTWILTGYTTAFGAMFAKTWRVHAIFKNVKKK---KLIKQKLLVIVGGMLLID 608
Db 587 VCOARLWLLGLGSLGYSNFTKIWWVHTVTKKEEKEWKRKTLEPWKLAYTVGLLVGMD 646

QY 609 LCILICQAVDPLRRTVEKYSMEPDAGRDISTRLPHECENTHMTIWIIGVYVAYKGLLM 668
Db 647 VLTALAIWQIVDPLHRTIETFAKEEPKEDIVSLPQLEHCSSRKNMTLIGIFYGKGLL 706

QY 669 LFCFLAWETRNYSIPALNDSKYGVNNGVIMCIIIGAASVPLTRDQPNVQFCIVALVI 728
Db 707 LGIFLAIETKSVSTSEKINDHRAVGAIYNAVLCUITAPVTMILSSQDAAFAFASLAI 766

QY 729 IFGSTITLCLVFPKLIITLRTNDAATONRRFOFTQNKEDSKSTSVTSVNAQSTRL 788
Db 767 VFSSYITLVVLPKMRRLITRGE-----WQSEAQDTMTKGS-TNNNEEKSRLL 815

QY 789 EGLQSNHRLRMKITELDKDLBVTWOLQ 817
Db 816 --LEKENRELEKIIABKEERSVSLRHLQ 842

RESULT 7
US-09-422-936-75
; Sequence 75, Application US/09422936
; Patent No. 6465213
```

```
; GENERAL INFORMATION:
; APPLICANT: Ekstrand, Jonas
; TITLE OF INVENTION: NEW NUCLEOTIDE SEQUENCES
; FILE REFERENCE: 06275-165002
; CURRENT APPLICATION NUMBER: US/09/422,936
; CURRENT FILING DATE: 1999-10-22
; PRIOR APPLICATION NUMBER: US 09/242,608
; PRIOR FILING DATE: 1999-02-19
; PRIOR APPLICATION NUMBER: PCT/SE98/01947
; PRIOR FILING DATE: 1998-10-27
; PRIOR APPLICATION NUMBER: SWEDEN 9703914-2
; PRIOR FILING DATE: 1997-10-27
; PRIOR APPLICATION NUMBER: SWEDEN 9800864-2
; PRIOR FILING DATE: 1998-03-16
; PRIOR APPLICATION NUMBER: SWEDEN 9802575-2
; PRIOR FILING DATE: 1998-07-17
; NUMBER OF SEQ ID NOS: 85
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 75
; LENGTH: 892
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-422-936-75

Query Match      25.4%; Score 1257; DB 4; Length 892;
Best Local Similarity 33.6%; Pred. No. 6.1e-101;
Matches 294; Conservative 161; Mismatches 313; Indels 106; Gaps 19;

QY 23 LLLLLLLPLPLAPGAWGARGAPPPSS-----PP-----LSIMGL 61
Db 2 LLLLLLAPLPL-RPPG-----AGGAQTPNATSEGCQIHPHWEGGIRYGLTRDQVKAINF 56

QY 62 MPLTKEV-----AKGS-----AYDGIWVIKTIORAM 374
Db 57 LPVDYBIEYVCRGEREVGVGPKVKLANGSWTDMTPSCRRVAVIGALFPMGSGWPGG 116

QY 75 RGVLPAAVELAIQIRN-ESLRPYFLDLRLYTECDNAKGLKAFYDAIKYGNHLMVFGG 133
Db 117 QACQPAVEVALEDVNSRRDILPDYELKLIHDSKCDPGQATKYLYELLYNDPIKILMPG 176

QY 134 VCPSTVSTIIAESLQGNLVQLSFAATTPLADKKYPYFERTVPSDNVAVNPAIKLKLKH 193
Db 177 -CSSVSTLVAEARMNNLIVLSYGSSPALSNRRQRPFFRTHPSATLHNTRVKLFPEKW 235

QY 194 QMKRVGTLTQDVQRFSEVRNDLTGVLYGEDIEISDTESFSDPCTSVKVLKGNDRVRIIL 253
Db 236 GWKKIATIQOTTEVFTSLDDLEERVKEAGIEITFRQSFSDPAPVPVKNLKRQDARIIV 295

QY 254 QPDQNMAAKVFCCAYEENMYGSKYQWIIIPGWYEPSSWQVHTEANSRCLRNLLAAMEG 313
Db 296 LEVETEARKVFCVYKERLFGKYYWFLIGYADNWFKIYDPSIN---CTVDEMTAEVGE 352

QY 314 YGVDPPELSSKQIKTISGKTPQOYERENYNNKRGVGSFKFHGY-----AYDGIWVIK 368
Db 353 HITTEIVMLNANTRISNMTSQEFV-EKLTRELKRHPETGGFQAEPLAYDAIWAALALA 411

QY 369 LQAMETLHASSRH-QRIODFNHTDHTLGRILNANMETNFFGVGTQGVF-RNGERMGTI 426
Db 412 LNK---TSGGGGRSGVRLEDNFNNQTTDQIYRANSSSPEGVSGHVVPDASGRMAWT 468

QY 427 KFTQFQDSREVKVGEYNAVADTLEIINDTIRFGSEPPKDTIILBQLRKISLPLYSILS 486
Db 469 LIEQLQGGSYKKIGYDSTKDDLS-WSKTDKWIIGGSPPADQTLVKTFRFLSKLFTISV 527

QY 487 ALTILGMINASAPLFNFKNKNQKLIKMSYPVNNLITLGGMLSVASITFLGLDGSFVSE 546
Db 528 VLSSGLIVLAVVCLSFNINSHVRVYQNSQPNLNLTAVGCSLALAAVPLGLDGYHGR 587

QY 547 KTFETLCTVRTWILTGYTTAFGAMFAKTWRVHAIFKNVKKK---KLIKQKLLVIVGG 603
Db 588 NQFPFVCOARLWLLGLGSLGYSNFTKIWWVHTVTKKEEKEWKRKTLEPWKLAYTVGL 647

QY 604 MLLIDLICILICQAVDPLRRTVEKYSMEPDAGRDISTRLPHECENTHMTIWIIGVYAY 663
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Db 303 WGWKTIATQOTTEVTSTLDDLEERVKEAGIEITRQGFSDPAVVPVKNLKRQDARIIV 362
Qy 253 GQFDONMAKVFCCAYEENWYKYOIIPGWYEPSPWQVHTSEANSSCLRNKLLAAME 312
Db 363 GLFYETEARVCEVYKERLFGKYYWFLIGYADNWK---TYDPSINCTVEEMTEAVE 419
Qy 313 GYGVDFPEPLSSKQIKTISGKTPOQYEREYNNKRSVGSPKFGY-----AYDGIWIAK 367
Db 420 GHITTEIVMLNPANTRSISNMTSQEFV-EKLTRELKHEPEETCGFOEAPLAYDAIWALAL 478
Qy 368 TLQAMETLHASRH-ORIQDFNYDHTLGRILNANMETNFGVTGQVVF-RNGERMGT 425
Db 479 ALNK---TSGGGGRSGVRLEDENYNNQTTDQIYRAMNSSPEGVSHVVFDAASGRMAW 535
Qy 426 IKFTQFDSREVKVGEYNAVADTLEIINDTIRFQSEPPKDKTIILLEQRLKISLPLYSIL 485
Db 536 TLIEQLQGGSYKIGYDSTKDDLS-WSKTDKRWIGGPPADQTLVKTFRFLSQKLFISV 594
Qy 486 SALTILGMMASAFLEFNKRNOKLIKMSPPMNNLIILGGMLSVASIFLFLDGSFVS 545
Db 595 SVLSSLGIVLAVVCLSNFYNSHRYIQNSQPNLNLTAVGCSLALAAVFPGLDGYHIG 654
Qy 546 EKTFTCLTVRTWILTVGYTTAFGAMFAKTWRVHAIFKNVKKK---KIIOQKLLVIVG 602
Db 655 RSQFPFVCQARLWLLGLGSLGYSNFTKIWWHTVFTKKEKKEWRKLEPWKLYATVG 714
Qy 603 GMLLDLCILICQAVDPLRRTVEKYSMEPPDPAGRDISRPLEHCENTHMTIWLGIYVA 662
Db 715 LLVGMVLTALWQIVDPLHRTIETFAKEEPKEDIDVSLPQLEHCSSKMMNTWLGIYFG 774
Qy 663 YKGLMLFCFLAWETRNYSIPALNDSKYIGSVNVMGIMCIIGAASVFLTRDQPNVQC 722
Db 775 YKGLLLGIFLAYETKSVSTEKINDHRAVGMAYINAVCLITAPVTWILSSQDAAFA 834
Qy 723 IVALVIFCSTITLCLVFPVKLITRTNPDAAATQNRFFQTNQKKEDSKTSTSVTSVNO 782
Db 835 FASLAIVFSSYITLVVLFVFKMRLLITRGE-----WQSEADTMTKGTSS-TNNNE 883
Qy 783 ASTSRLEGLOSENHRLRMKITELDKDLEVTWQLQ 817
Db 884 EEKSL--LEKENRELEKIIAEKEERVSELRLQLQ 916
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## RESULT 10

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US-09-422-936-49
; Sequence 49, Application US/09422936
; Patent No. 6465213
; GENERAL INFORMATION:
; APPLICANT: Ekstrand, Jonas
; TITLE OF INVENTION: NEW NUCLEOTIDE SEQUENCES
; FILE REFERENCE: 06275-165002
; CURRENT APPLICATION NUMBER: US/09/422,936
; CURRENT FILING DATE: 1999-10-22
; PRIOR APPLICATION NUMBER: US 09/242,608
; PRIOR FILING DATE: 1999-02-19
; PRIOR APPLICATION NUMBER: PCT/SE98/01947
; PRIOR FILING DATE: 1998-10-27
; PRIOR APPLICATION NUMBER: SWEDEN 9703914-2
; PRIOR FILING DATE: 1997-10-27
; PRIOR APPLICATION NUMBER: SWEDEN 9800864-2
; PRIOR FILING DATE: 1998-03-16
; PRIOR APPLICATION NUMBER: SWEDEN 9802575-2
; PRIOR FILING DATE: 1998-07-17
; NUMBER OF SEQ ID NOS: 85
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 49
; LENGTH: 961
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-422-936-49
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## Query Match

25.2%; Score 1245.5; DB 4; Length 961;

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Best Local Similarity 35.9%; Pred. No. 7e-100;
Matches 271; Conservative 155; Mismatches 296; Indels 33; Gaps 13;

Qy 74 GRGVLPAVELATEIQIRN-ESLLRPYFLDLRLVDTECDNAGLKAFYDAIKYGNHLMVFG 132
Db 185 GOACPAVEMAUEDVNSRRDILPDVELKLIHDSKCDPCQATKLYLYELLYNDIKILMP 244
Qy 133 GYCPVSTSIABSLQGNLVLQSLFAATTPVLADKKYYPYFFRTVPSPDNVNPAILKLLKH 192
Db 245 G-CSSVSTLVAARWMLNLIIVSYGSSSPALSNRQFPFFRTHPSATLHNPRVKLFEK 303
Qy 193 YQKRVGTLTQDVQRFSEVRNDLTGLVYGEDIEISDTESFSNDPCTSVKLLKGNDRVIL 252
Db 304 WGWKTIATQOTTEVTSTLDDLEERVKEAGIEITRQGFSDPAVVPVKNLKRQDARIIV 363
Qy 253 GQFDONMAKVFCCAYEENWYKYOIIPGWYEPSPWQVHTSEANSSCLRNKLLAAME 312
Db 364 GLFYETEARVCEVYKERLFGKYYWFLIGYADNWK---CTVDEMTAEVE 420
Qy 313 GYGVDFPEPLSSKQIKTISGKTPOQYEREYNNKRSVGSPKFGY-----AYDGIWIAK 367
Db 420 GHITTEIVMLNPANTRSISNMTSQEFV-EKLTRELKHEPEETCGFOEAPLAYDAIWALAL 479
Qy 368 TLQAMETLHASRH-ORIQDFNYDHTLGRILNANMETNFGVTGQVVF-RNGERMGT 425
Db 480 ALNK---TSGGGGRSGVRLEDENYNNQTTDQIYRAMNSSPEGVSHVVFDAASGRMAW 536
Qy 426 IKFTQFDSREVKVGEYNAVADTLEIINDTIRFQSEPPKDKTIILLEQRLKISLPLYSIL 485
Db 537 TLIEQLQGGSYKIGYDSTKDDLS-WSKTDKRWIGGPPADQTLVKTFRFLSQKLFISV 595
Qy 486 SALTILGMMASAFLEFNKRNOKLIKMSPPMNNLIILGGMLSVASIFLFLDGSFVS 545
Db 596 SVLSSLGIVLAVVCLSNFYNSHRYIQNSQPNLNLTAVGCSLALAAVFPGLDGYHIG 655
Qy 546 EKTFTCLTVRTWILTVGYTTAFGAMFAKTWRVHAIFKNVKKK---KIIOQKLLVIVG 602
Db 656 RSQFPFVCQARLWLLGLGSLGYSNFTKIWWHTVFTKKEKKEWRKLEPWKLYATVG 715
Qy 603 GMLLDLCILICQAVDPLRRTVEKYSMEPPDPAGRDISRPLEHCENTHMTIWLGIYVA 662
Db 716 LLVGMVLTALWQIVDPLHRTIETFAKEEPKEDIDVSLPQLEHCSSKMMNTWLGIYFG 775
Qy 663 YKGLMLFCFLAWETRNYSIPALNDSKYIGSVNVMGIMCIIGAASVFLTRDQPNVQC 722
Db 776 YKGLLLGIFLAYETKSVSTEKINDHRAVGMAYINAVCLITAPVTWILSSQDAAFA 835
Qy 723 IVALVIFCSTITLCLVFPVKLITRTNPDAAATQNRFFQTNQKKEDSKTSTSVTSVNO 782
Db 836 FASLAIVFSSYITLVVLFVFKMRLLITRGE-----WQSEADTMTKGTSS-TNNNE 884
Qy 783 ASTSRLEGLOSENHRLRMKITELDKDLEVTWQLQ 817
Db 885 EEKSL--LEKENRELEKIIAEKEERVSELRLQLQ 917

RESULT 11
US-09-914-259-14
; Sequence 14, Application US/09914259
; Patent No. 6495336
; GENERAL INFORMATION:
; APPLICANT: Makowski, Lee
; APPLICANT: Hyman, Paul
; APPLICANT: Williams, Mark
; TITLE OF INVENTION: STAGED ASSEMBLY OF NANOSTRUCTURES
; FILE REFERENCE: 8471-010-999
; CURRENT APPLICATION NUMBER: US/09/914,259
; CURRENT FILING DATE: 2000-11-21
; NUMBER OF SEQ ID NOS: 180
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 14
; LENGTH: 961
; TYPE: PRT
```





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; CURRENT FILING DATE: 1999-10-22
; PRIOR APPLICATION NUMBER: US 09/242,608
; PRIOR FILING DATE: 1999-02-19
; PRIOR APPLICATION NUMBER: PCT/SE98/01947
; PRIOR FILING DATE: 1998-10-27
; PRIOR APPLICATION NUMBER: SWEDEN 9703914-2
; PRIOR FILING DATE: 1997-10-27
; PRIOR APPLICATION NUMBER: SWEDEN 9800864-2
; PRIOR FILING DATE: 1998-03-16
; PRIOR APPLICATION NUMBER: SWEDEN 9802575-2
; PRIOR FILING DATE: 1998-07-17
; NUMBER OF SEQ ID NOS: 89
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 59
; LENGTH: 581
; TYPE: PRT
; ORGANISM: Canis familiaris
US-09-422-936-59

Query Match      14.0%; Score 592.5; DB 4; Length 581;
Best Local Similarity 33.4%; Pred. No. 5.2e-43;
Matches 141; Conservative 82; Mismatches 174; Indels 25; Gaps 10;

Qy 42 WARGAPRPPSPPLS-----IMGLMPLTKEVAKSGIGRGVLPAPVELAIEQIRN-ESLL 94
Db 153 WSTPKHCQVSRTPHERRAVYIGALFPMS---GCHPGGQACQAPVEMAELEDVNSRRDIL 209
Qy 95 RPYFLDLRLDYDTQDNAGKLFAYDAIKYGNHLMVGGVCPSTVTSIIAESLQGMNLVOL 154
Db 210 PDVELKLIHSDSKDPQATKLYELLYNDPIKIIILMPG-CSSVSTLVAEAAARMNLIVL 268
Qy 155 SFAATTPVLADKKYYPFFRTVPSDNVNPAILKLIKHWKVKVCHLTQDVQRFSEVRND 214
Db 269 SYGSSSPALSNRQRPFTFFRTHPSATLHNTRVKLPFKWGRKXIATIQQTTEVFTSTLDD 328
Qy 215 LTGVLYGEDIEISDTESFSNDPCTSVKCLKGNDRVRIILGOFDONMAAKVFCAYEENMYG 274
Db 329 LEERVKEAGIEITFRGSFSDPAVPVKNLKRQDARIIVGLFYETEARKVCFCEVYKERLFG 388
Qy 275 SKYQWIIPGWYEPFWWEQVHTEANSRCLRNLLAAMEGYIGVDFFPLSSKQIKTISGKT 334
Db 389 KKYVWFELIGWYADNWKF--TYDPSINCTVDEMTAEVGHITTEIVMLNPANTRISISNMT 445
Qy 335 PQQYEREYNNKRSQVGSFKHG--AYDGIWVIKTLORAMETLHASSRH-QRIQDF 388
Db 446 SQBFV-EKLTUKRLKRPHEETGGFQEAFLAYDAIWALALANK--TSGGSGRSGVRLEDF 501
Qy 389 NYTDHTLGRILNAMNETNPFVGTGVWF-RNGERMGTIKFTQFQDSREVKVGGEYNAVAD 447
Db 502 NNNQITDQIYRAMNSSSPGVSCHVDFDASGRMAWTILIEQLQGSYKKIGYDSTKD 561
Qy 448 TL 449
Db 562 DL 563
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Search completed: June 1, 2004, 16:15:55  
Job time : 29.4884 secs

Result No.	Query			DB	ID	Description
	Score	Match	Length			
1	4942	100.0	941	9	US-09-818-879-47	Sequence 47, Appl
2	4942	100.0	941	9	US-09-211-755B-47	Sequence 47, Appl
3	4942	100.0	941	9	US-09-793-139-47	Sequence 47, Appl
4	4942	100.0	941	14	US-10-300-616-31	Sequence 31, Appl
5	4942	100.0	941	15	US-10-292-798-1464	Sequence 1464, Appl
6	4942	100.0	941	16	US-10-188-832-12	Sequence 12, Appl
7	4928	99.7	941	12	US-10-211-462-71	Sequence 71, Appl
8	4928	99.7	941	14	US-10-235-567A-436	Sequence 436, Appl
9	4928	99.7	941	15	US-10-295-027-26	Sequence 26, Appl
10	4928	99.7	941	15	US-10-295-027-722	Sequence 722, Appl
11	4823.5	97.6	940	9	US-09-818-879-4	Sequence 4, Appl
12	4823.5	97.6	940	9	US-09-211-755B-4	Sequence 4, Appl
13	4744	96.0	929	9	US-09-793-139-4	Sequence 4, Appl
14	4643	93.9	898	9	US-09-818-879-2	Sequence 2, Appl
15	4643	93.9	898	9	US-09-211-755B-2	Sequence 2, Appl

181 AVNPAILKLLKHVQWKRVTGLTQDVORFSEVRNDLTGVLGEDIETSDTESFSDNDPCTSV 240  
181 AVNPAILKLLKHVQWKRVTGLTQDVORFSEVRNDLTGVLGEDIETSDTESFSDNDPCTSV 240  
241 KKLKGNDRVRIILQGFQDNMAAKVFCAYENMYGSKYQWIIIPGWYEPSPWWEQVHTEANS 300  
241 KKLKGNDRVRIILQGFQDNMAAKVFCAYENMYGSKYQWIIIPGWYEPSPWWEQVHTEANS 300  
301 RCLRNKLLAAMEGYIGVDPEPLSSKOIKTISGKTPOQYERENYNNKSGVGPSPKFGHAYD 360  
301 RCLRNKLLAAMEGYIGVDPEPLSSKOIKTISGKTPOQYERENYNNKSGVGPSPKFGHAYD 360  
361 GIWVIKTLQRAMETLHASSRHQRIQDFNYTDHTLGRILINAMNETNFFGVTVQVVRNG 420  
361 GIWVIKTLQRAMETLHASSRHQRIQDFNYTDHTLGRILINAMNETNFFGVTVQVVRNG 420  
421 ERMGTTIKFTQFQDSREVVKVGEYNAVADTLEIINDTIRFQSEPPDKTIIIEQLRKISLP 480  
421 ERMGTTIKFTQFQDSREVVKVGEYNAVADTLEIINDTIRFQSEPPDKTIIIEQLRKISLP 480  
481 LYSILSALTILGMIIMASAFLEFNNIKNRNOKLIKMSPPYNNNLIILGMLSYASIFLFGLD 540  
481 LYSILSALTILGMIIMASAFLEFNNIKNRNOKLIKMSPPYNNNLIILGMLSYASIFLFGLD 540  
541 GSFVSEKTPETLCTVTRTWIITVGYTTAFGAMFAKTRVHAI FKNVKKKKIIKDQKLLVI 600  
541 GSFVSEKTPETLCTVTRTWIITVGYTTAFGAMFAKTRVHAI FKNVKKKKIIKDQKLLVI 600  
601 VGGMLLIDLCILICQWAVDPLRTVEKYSMEPPDAGRDISIRPLEHCENTHMTIWLGI 660  
601 VGGMLLIDLCILICQWAVDPLRTVEKYSMEPPDAGRDISIRPLEHCENTHMTIWLGI 660  
661 YAYKGLMLFGCFLAWETRNVSI PALNDSKYIGMSVYNNVGMCIIGAAVSFLTRDQPNVQ 720  
661 YAYKGLMLFGCFLAWETRNVSI PALNDSKYIGMSVYNNVGMCIIGAAVSFLTRDQPNVQ 720  
721 FCIVALVVIIFCSTITLCLVFPVKLITLRTNPDAATQNRFPQFTQNKEDSKTSTSVTSV 780  
721 FCIVALVVIIFCSTITLCLVFPVKLITLRTNPDAATQNRFPQFTQNKEDSKTSTSVTSV 780  
781 NQASTSRLEGLOSENHRLMKITELDKOLEEVTMQLQDTPEKTYIKONHYQELNDILNL 840  
781 NQASTSRLEGLOSENHRLMKITELDKOLEEVTMQLQDTPEKTYIKONHYQELNDILNL 840  
841 GNFTSTDDGKALIKNHLQDNQPOLQWNTTPEPRTCKDPIEDINSPEHIQRRLSLQPLIH 900  
841 GNFTSTDDGKALIKNHLQDNQPOLQWNTTPEPRTCKDPIEDINSPEHIQRRLSLQPLIH 900

## RESULT 2

US-09-211-755B-47  
; Sequence 47, Application US/09211755B  
; Patent No. US20020045742A1  
; GENERAL INFORMATION:  
; APPLICANT: Kenneth A. Jones, Thomas M. Laz, Beth Borowsky  
; TITLE OF INVENTION: DNA Encoding a GABAR2 Polypeptide And Uses Thereof  
; FILE REFERENCE: 1795/54002-D  
; CURRENT APPLICATION NUMBER: US/09/211.755B  
; PRIOR FILING DATE: 1998-12-15  
; PRIOR APPLICATION NUMBER: 09/186,664  
; PRIOR FILING DATE: 1998-11-04  
; NUMBER OF SEQ ID NOS: 56  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 47  
; LENGTH: 941  
; TYPE: PR1  
; ORGANISM: human;  
US-09-211-755B-47

Query Match 100.0%; Score 4942; DB 9; Length 941;  
Best Local Similarity 100.0%; Pred. No. 0;  
Matches 941; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 MASPRSSGQGPQPPPPPPPPPPARLLLLLLLLLPLAPGAWGARGAPPPPPSPPLSING 60  
DB 1 MASPRSSGQGPQPPPPPPPPPPARLLLLLLLLLPLAPGAWGARGAPPPPPSPPLSING 60  
QY 61 LMPITKEVAKSGIGRGVLPVAVELAEQIRNESLLRPYFLDLRLYTECDNAGLKAFYDA 120  
DB 61 LMPITKEVAKSGIGRGVLPVAVELAEQIRNESLLRPYFLDLRLYTECDNAGLKAFYDA 120  
QY 121 IKYGNHLMVFGVCPSPVTSIIABSLQGNLVLSFAATTPVLADKKKYPYFRVTPSDN 180  
DB 121 IKYGNHLMVFGVCPSPVTSIIABSLQGNLVLSFAATTPVLADKKKYPYFRVTPSDN 180  
QY 181 AVNPAILKLLKHVQWKRVTGLTQDVORFSEVRNDLTGVLGEDIETSDTESFSDNDPCTSV 240  
DB 181 AVNPAILKLLKHVQWKRVTGLTQDVORFSEVRNDLTGVLGEDIETSDTESFSDNDPCTSV 240  
QY 241 KKLKGNDRVRIILQGFQDNMAAKVFCAYENMYGSKYQWIIIPGWYEPSPWWEQVHTEANS 300  
DB 241 KKLKGNDRVRIILQGFQDNMAAKVFCAYENMYGSKYQWIIIPGWYEPSPWWEQVHTEANS 300  
QY 301 RCLRNKLLAAMEGYIGVDPEPLSSKOIKTISGKTPOQYERENYNNKSGVGPSPKFGHAYD 360  
DB 301 RCLRNKLLAAMEGYIGVDPEPLSSKOIKTISGKTPOQYERENYNNKSGVGPSPKFGHAYD 360  
QY 361 GIWVIKTLQRAMETLHASSRHQRIQDFNYTDHTLGRILINAMNETNFFGVTVQVVRNG 420  
DB 361 GIWVIKTLQRAMETLHASSRHQRIQDFNYTDHTLGRILINAMNETNFFGVTVQVVRNG 420  
QY 421 ERMGTTIKFTQFQDSREVVKVGEYNAVADTLEIINDTIRFQSEPPDKTIIIEQLRKISLP 480  
DB 421 ERMGTTIKFTQFQDSREVVKVGEYNAVADTLEIINDTIRFQSEPPDKTIIIEQLRKISLP 480  
QY 481 LYSILSALTILGMIIMASAFLEFNNIKNRNOKLIKMSPPYNNNLIILGMLSYASIFLFGLD 540  
DB 481 LYSILSALTILGMIIMASAFLEFNNIKNRNOKLIKMSPPYNNNLIILGMLSYASIFLFGLD 540  
QY 541 GSFVSEKTPETLCTVTRTWIITVGYTTAFGAMFAKTRVHAI FKNVKKKKIIKDQKLLVI 600  
DB 541 GSFVSEKTPETLCTVTRTWIITVGYTTAFGAMFAKTRVHAI FKNVKKKKIIKDQKLLVI 600  
QY 601 VGGMLLIDLCILICQWAVDPLRTVEKYSMEPPDAGRDISIRPLEHCENTHMTIWLGI 660  
DB 601 VGGMLLIDLCILICQWAVDPLRTVEKYSMEPPDAGRDISIRPLEHCENTHMTIWLGI 660  
QY 661 YAYKGLMLFGCFLAWETRNVSI PALNDSKYIGMSVYNNVGMCIIGAAVSFLTRDQPNVQ 720  
DB 661 YAYKGLMLFGCFLAWETRNVSI PALNDSKYIGMSVYNNVGMCIIGAAVSFLTRDQPNVQ 720  
QY 721 FCIVALVVIIFCSTITLCLVFPVKLITLRTNPDAATQNRFPQFTQNKEDSKTSTSVTSV 780  
DB 721 FCIVALVVIIFCSTITLCLVFPVKLITLRTNPDAATQNRFPQFTQNKEDSKTSTSVTSV 780  
QY 781 NQASTSRLEGLOSENHRLMKITELDKOLEEVTMQLQDTPEKTYIKONHYQELNDILNL 840  
DB 781 NQASTSRLEGLOSENHRLMKITELDKOLEEVTMQLQDTPEKTYIKONHYQELNDILNL 840  
QY 841 GNFTSTDDGKALIKNHLQDNQPOLQWNTTPEPRTCKDPIEDINSPEHIQRRLSLQPLIH 900  
DB 841 GNFTSTDDGKALIKNHLQDNQPOLQWNTTPEPRTCKDPIEDINSPEHIQRRLSLQPLIH 900  
QY 901 HAYLPSIGGVDAACVSPCVSPTASPRHRHVPPSPFRVMSGL 941  
DB 901 HAYLPSIGGVDAACVSPCVSPTASPRHRHVPPSPFRVMSGL 941

## RESULT 3

US-09-793-139-47  
; Sequence 47, Application US/09793139  
; Patent No. US20020156265A1







;; PRIOR FILING DATE: 2001-11-13  
;; PRIOR APPLICATION NUMBER: US 60/372,246  
;; PRIOR FILING DATE: 2002-04-12  
;; NUMBER OF SEQ ID NOS: 207  
;; SOFTWARE: PatentIn Ver. 2.1  
;; SEQ ID NO 12  
;; LENGTH: 941  
;; TYPE: PRT  
;; ORGANISM: Homo sapiens  
US-10-188-832-12

Query Match 100.0%; Score 4942; DB 16; Length 941;  
Best Local Similarity 100.0%; Pred. No. 0;  
Matches 941; Conservative 0; Mismatches 0; Indels 0; Gaps 0;

QY 1 MASPRSSGQGPDPPLPPPPARLLLLLLLLLPLAPGAWGARGAPRPPSPPLSING 60  
DB 1 MASPRSSGQGPDPPLPPPPARLLLLLLLLLPLAPGAWGARGAPRPPSPPLSING 60

QY 61 LMPLTKEVAKSGIGRGVLPVLAIEQIRNESLRLPYFLDLRLDYTECDNAKGLKAFYDA 120  
DB 61 LMPLTKEVAKSGIGRGVLPVLAIEQIRNESLRLPYFLDLRLDYTECDNAKGLKAFYDA 120

QY 121 IKYGNHLMVFGVGCPSVTSIIAESLQGNLVOLSFAATTPVLADKKKYPYFRTVPSON 180  
DB 121 IKYGNHLMVFGVGCPSVTSIIAESLQGNLVOLSFAATTPVLADKKKYPYFRTVPSON 180

QY 181 AVNPAILKLLKHQYKRWGVTLLTQDVQRFSEVRNDLTGLVYGEDIEISDTESFSDPCTSV 240  
DB 181 AVNPAILKLLKHQYKRWGVTLLTQDVQRFSEVRNDLTGLVYGEDIEISDTESFSDPCTSV 240

QY 241 KKLKGNLVAAMGYIGVDPEPLSSKQIKTISGKTPOQYEREYNNKRSVGVPKFGHYAYD 360  
DB 241 KKLKGNLVAAMGYIGVDPEPLSSKQIKTISGKTPOQYEREYNNKRSVGVPKFGHYAYD 360

QY 301 RCLRNKLLAAMGYIGVDPEPLSSKQIKTISGKTPOQYEREYNNKRSVGVPKFGHYAYD 360  
DB 301 RCLRNKLLAAMGYIGVDPEPLSSKQIKTISGKTPOQYEREYNNKRSVGVPKFGHYAYD 360

QY 361 GIWVIKTLQAMETLHASSRHQRIQDFNYTDTHTLGRILNANMETNFFGVGVVFRNG 420  
DB 361 GIWVIKTLQAMETLHASSRHQRIQDFNYTDTHTLGRILNANMETNFFGVGVVFRNG 420

QY 421 ERMTIKFTQFQDSREVVKVGEYNAVADTLEIINDTIRFQGSSEPPKDKTIIILBQLRKISLP 480  
DB 421 ERMTIKFTQFQDSREVVKVGEYNAVADTLEIINDTIRFQGSSEPPKDKTIIILBQLRKISLP 480

QY 481 LYSILSALTILGMIMASAFLLFNKRNQKLIKMSPPYNNLIIILGMLSYASIFLGLD 540  
DB 481 LYSILSALTILGMIMASAFLLFNKRNQKLIKMSPPYNNLIIILGMLSYASIFLGLD 540

QY 541 GSFVSEKTFETLCTVTRTWITLTVGYTTAFGAMFAKTRVHAIFKNVQMKKKIIKQOKLLVI 600  
DB 541 GSFVSEKTFETLCTVTRTWITLTVGYTTAFGAMFAKTRVHAIFKNVQMKKKIIKQOKLLVI 600

QY 601 VGMLLIDILCICLQWADPLRTVEKYSWEPDAGDISIRPLBHCENTHTMTIWLIV 660  
DB 601 VGMLLIDILCICLQWADPLRTVEKYSWEPDAGDISIRPLBHCENTHTMTIWLIV 660

QY 661 YAYKGLMLFGCFLAWETRNVSPALNDSKYIGMSVYNNVIMCIIIGAAVSFLTRDQPNVQ 720  
DB 661 YAYKGLMLFGCFLAWETRNVSPALNDSKYIGMSVYNNVIMCIIIGAAVSFLTRDQPNVQ 720

QY 721 FCIVALVILFCSTITILCLVFPVKLITLRNPDATONRRPOTONOKKEDSKTSTSVTSV 780  
DB 721 FCIVALVILFCSTITILCLVFPVKLITLRNPDATONRRPOTONOKKEDSKTSTSVTSV 780

QY 781 NOASTSRLEQSENHRLRMKITELOKLEEVMTQLODTPKTTYIKONHYOELNDILNL 840  
DB 781 NOASTSRLEQSENHRLRMKITELOKLEEVMTQLODTPKTTYIKONHYOELNDILNL 840

QY 841 GNFTSTGGKAILKNHLDQNPOWNTTPESTCKDPIEDINSPEHIQRRLSQLPILH 900

DB 841 GNFTSTGGKAILKNHLDQNPOWNTTPESTCKDPIEDINSPEHIQRRLSQLPILH 900

QY 901 HAYLPSIGVDASCVCSPVPTASPRHRHVPPSFRVMVSGL 941  
DB 901 HAYLPSIGVDASCVCSPVPTASPRHRHVPPSFRVMVSGL 941

RESULT 7  
US-10-211-462-71  
; Sequence 71, Application US/102111462  
; Publication No. US20040033495A1  
; GENERAL INFORMATION:  
; APPLICANT: Murray, Richard  
; APPLICANT: Glynnne, Richard  
; APPLICANT: Watson, Susan R.  
; APPLICANT: Aziz, Nataasha  
; APPLICANT: Eos Biotechnology, Inc.  
; TITLE OF INVENTION: Methods of Diagnosis of Angiogenesis, Compositions and  
; FILE REFERENCE: 018501-006200US  
; CURRENT APPLICATION NUMBER: US/10/211,462  
; CURRENT FILING DATE: 2003-02-13  
; PRIOR APPLICATION NUMBER: US 09/784,356  
; PRIOR FILING DATE: 2001-02-14  
; PRIOR APPLICATION NUMBER: US 09/791,390  
; PRIOR FILING DATE: 2001-02-22  
; PRIOR APPLICATION NUMBER: US 60/310,025  
; PRIOR FILING DATE: 2001-08-03  
; PRIOR APPLICATION NUMBER: US 60/334,244  
; PRIOR FILING DATE: 2001-11-29  
; NUMBER OF SEQ ID NOS: 230  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 71  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-211-462-71

Query Match 99.7%; Score 4928; DB 12; Length 941;  
Best Local Similarity 99.8%; Pred. No. 0;  
Matches 939; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 MASPRSSGQGPDPPLPPPPARLLLLLLLLLPLAPGAWGARGAPRPPSPPLSING 60  
DB 1 MASPRSSGQGPDPPLPPPPARLLLLLLLLLPLAPGAWGARGAPRPPSPPLSING 60

QY 61 LMPLTKEVAKSGIGRGVLPVLAIEQIRNESLRLPYFLDLRLDYTECDNAKGLKAFYDA 120  
DB 61 LMPLTKEVAKSGIGRGVLPVLAIEQIRNESLRLPYFLDLRLDYTECDNAKGLKAFYDA 120

QY 121 IKYGNHLMVFGVGCPSVTSIIAESLQGNLVOLSFAATTPVLADKKKYPYFRTVPSON 180  
DB 121 IKYGNHLMVFGVGCPSVTSIIAESLQGNLVOLSFAATTPVLADKKKYPYFRTVPSON 180

QY 181 AVNPAILKLLKHQYKRWGVTLLTQDVQRFSEVRNDLTGLVYGEDIEISDTESFSDPCTSV 240  
DB 181 AVNPAILKLLKHQYKRWGVTLLTQDVQRFSEVRNDLTGLVYGEDIEISDTESFSDPCTSV 240

QY 241 KKLKGNLVAAMGYIGVDPEPLSSKQIKTISGKTPOQYEREYNNKRSVGVPKFGHYAYD 360  
DB 241 KKLKGNLVAAMGYIGVDPEPLSSKQIKTISGKTPOQYEREYNNKRSVGVPKFGHYAYD 360

QY 301 RCLRNKLLAAMGYIGVDPEPLSSKQIKTISGKTPOQYEREYNNKRSVGVPKFGHYAYD 360  
DB 301 RCLRNKLLAAMGYIGVDPEPLSSKQIKTISGKTPOQYEREYNNKRSVGVPKFGHYAYD 360

QY 361 GIWVIKTLQAMETLHASSRHQRIQDFNYTDTHTLGRILNANMETNFFGVGVVFRNG 420  
DB 361 GIWVIKTLQAMETLHASSRHQRIQDFNYTDTHTLGRILNANMETNFFGVGVVFRNG 420

QY 421 ERMTIKFTQFQDSREVVKVGEYNAVADTLEIINDTIRFQGSSEPPKDKTIIILBQLRKISLP 480  
DB 421 ERMTIKFTQFQDSREVVKVGEYNAVADTLEIINDTIRFQGSSEPPKDKTIIILBQLRKISLP 480

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QY 481 LYSILSALTILGIMASAFLENNIKRNOKLIKMSPPYNNLIILGGMLSYASIFLFGLD 540
Db 481 LYSILSALTILGIMASAFLENNIKRNOKLIKMSPPYNNLIILGGMLSYASIFLFGLD 540
QY 541 GSFVSEKTFETLCTVTRTWILTVGYTTAFGAMFAKTWRVHAI FKNVKKKKI IKDQKLLVI 600
Db 541 GSFVSEKTFETLCTVTRTWILTVGYTTAFGAMFAKTWRVHAI FKNVKKKKI IKDQKLLVI 600
QY 601 VGMMLLIDLICILCQAVDPLRRTVEKYSMEPPAGRDISIRPLEHCENTHMTIWLGI 660
Db 601 VGMMLLIDLICILCQAVDPLRRTVEKYSMEPPAGRDISIRPLEHCENTHMTIWLGI 660
QY 661 YAYKGLMLFGCF LAWETRNVSIPALNDSKYIGMSVYNGIMCIIGAAVSFLTRDQPNVQ 720
Db 661 YAYKGLMLFGCF LAWETRNVSIPALNDSKYIGMSVYNGIMCIIGAAVSFLTRDQPNVQ 720
QY 721 FCIVALVIFCSTITLCLVFPVKLITLRTNPDAAQNRRFOFTONOKKEDSKTSTSV 780
Db 721 FCIVALVIFCSTITLCLVFPVKLITLRTNPDAAQNRRFOFTONOKKEDSKTSTSV 780
QY 781 NQASTSRLEGLOSENHRLRMKITELDKOLEEVTMQLQDTPKTTYIKONHYQELNDILNL 840
Db 781 NQASTSRLEGLOSENHRLRMKITELDKOLEEVTMQLQDTPKTTYIKONHYQELNDILNL 840
QY 841 GNFTSTDGKAILKNHLDQNPOLQWNTTPEPRTCKDPIEDINSPEHIQRRLSLQPLIH 900
Db 841 GNFTSTDGKAILKNHLDQNPOLQWNTTPEPRTCKDPIEDINSPEHIQRRLSLQPLIH 900
QY 901 HAYLPSIGGVADSCVSPCVSPTASPRHRHVPPSFRVWVSGL 941
Db 901 HAYLPSIGGVADSCVSPCVSPTASPRHRHVPPSFRVWVSGL 941

RESULT 8
US-10-225-567A-436
; Sequence 436, Application US/10225567A
; Publication No. US20030113798A1
; GENERAL INFORMATION:
; APPLICANT: LifeSpan Biosciences
; APPLICANT: Brown, Joseph P.
; APPLICANT: Burner, Glenna C.
; APPLICANT: Roush, Christine L.
; TITLE OF INVENTION: ANTIGENIC PEPTIDES AND ANTIBODIES FOR G PROTEIN-COUPLED RECEPTORS
; FILE REFERENCE: 1920-4-4
; CURRENT APPLICATION NUMBER: US/10/225,567A
; CURRENT FILING DATE: 2001-12-19
; PRIOR APPLICATION NUMBER: 60/257,144
; PRIOR FILING DATE: 2000-12-19
; NUMBER OF SEQ ID NOS: 2292
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 436
; LENGTH: 941
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-225-567A-436

Query Match 99.7%; Score 4928; DB 14; Length 941;
Best Local Similarity 99.8%; Pred. No. 0;
Matches 939; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

QY 1 MASPRSSGQPPPPPPPPARLLLLLLLPLAPGAWGARGAPRPPSPPLSIMG 60
Db 1 MASPRSSGQPPPPPPPPARLLLLLLLPLAPGAWGARGAPRPPSPPLSIMG 60
QY 61 LMPLTKEVAKSGIRGVLPAVELAIEQIRNESLLRPYFLDLRYDTECDNAKGLKAFYDA 120
Db 61 LMPLTKEVAKSGIRGVLPAVELAIEQIRNESLLRPYFLDLRYDTECDNAKGLKAFYDA 120
QY 121 IKYGNHLMVFGVCPVSTVSIIESLQGMNLVOLSAFTTPVLADKKKYPYFRTVPSDN 180
Db 121 IKYGNHLMVFGVCPVSTVSIIESLQGMNLVOLSAFTTPVLADKKKYPYFRTVPSDN 180
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QY 181 AVNPAILKLLKHVQMKRVGTLTQDVORFSEVRNDLTGVLGYEDIETSFSDNDPCTSV 240
Db 181 AVNPAILKLLKHVQMKRVGTLTQDVORFSEVRNDLTGVLGYEDIETSFSDNDPCTSV 240
QY 241 KKLKGNDRVRIILGQFDQNNMAAKVFCAYEENMYGSKYQWIIIPGWYEPSWWEQVHTEANS 300
Db 241 KKLKGNDRVRIILGQFDQNNMAAKVFCAYEENMYGSKYQWIIIPGWYEPSWWEQVHTEANS 300
QY 301 RCLRNKLLAAMGEGYIGVDPPEPLSSKOIKTISKTQQOYERENYNNKRSVGVPKFGHYAD 360
Db 301 RCLRNKLLAAMGEGYIGVDPPEPLSSKOIKTISKTQQOYERENYNNKRSVGVPKFGHYAD 360
QY 361 GIWVIAKTILQRAWETLHASSRHQRIQDENYTDHTLGRILLNAMNETNFFGVGVVFRNG 420
Db 361 GIWVIAKTILQRAWETLHASSRHQRIQDENYTDHTLGRILLNAMNETNFFGVGVVFRNG 420
QY 421 ERMGTIKFTQFODSREVKVGEYNAVADTLEIINDIRFQGSPPPKDKTIIILBQLRKISLP 480
Db 421 ERMGTIKFTQFODSREVKVGEYNAVADTLEIINDIRFQGSPPPKDKTIIILBQLRKISLP 480
QY 481 LYSILSALTILGIMASAFLENNIKRNOKLIKMSPPYNNLIILGGMLSYASIFLFGLD 540
Db 481 LYSILSALTILGIMASAFLENNIKRNOKLIKMSPPYNNLIILGGMLSYASIFLFGLD 540
QY 541 GSFVSEKTFETLCTVTRTWILTVGYTTAFGAMFAKTWRVHAI FKNVKKKKI IKDQKLLVI 600
Db 541 GSFVSEKTFETLCTVTRTWILTVGYTTAFGAMFAKTWRVHAI FKNVKKKKI IKDQKLLVI 600
QY 601 VGMMLLIDLICILCQAVDPLRRTVEKYSMEPPAGRDISIRPLEHCENTHMTIWLGI 660
Db 601 VGMMLLIDLICILCQAVDPLRRTVEKYSMEPPAGRDISIRPLEHCENTHMTIWLGI 660
QY 661 YAYKGLMLFGCF LAWETRNVSIPALNDSKYIGMSVYNGIMCIIGAAVSFLTRDQPNVQ 720
Db 661 YAYKGLMLFGCF LAWETRNVSIPALNDSKYIGMSVYNGIMCIIGAAVSFLTRDQPNVQ 720
QY 721 FCIVALVIFCSTITLCLVFPVKLITLRTNPDAAQNRRFOFTONOKKEDSKTSTSV 780
Db 721 FCIVALVIFCSTITLCLVFPVKLITLRTNPDAAQNRRFOFTONOKKEDSKTSTSV 780
QY 781 NQASTSRLEGLOSENHRLRMKITELDKOLEEVTMQLQDTPKTTYIKONHYQELNDILNL 840
Db 781 NQASTSRLEGLOSENHRLRMKITELDKOLEEVTMQLQDTPKTTYIKONHYQELNDILNL 840
QY 841 GNFTSTDGKAILKNHLDQNPOLQWNTTPEPRTCKDPIEDINSPEHIQRRLSLQPLIH 900
Db 841 GNFTSTDGKAILKNHLDQNPOLQWNTTPEPRTCKDPIEDINSPEHIQRRLSLQPLIH 900
QY 901 HAYLPSIGGVADSCVSPCVSPTASPRHRHVPPSFRVWVSGL 941
Db 901 HAYLPSIGGVADSCVSPCVSPTASPRHRHVPPSFRVWVSGL 941

RESULT 9
US-10-295-027-26
; Sequence 26, Application US/10295027
; Publication No. US200302350A1
; GENERAL INFORMATION:
; APPLICANT: Afar, Daniel
; APPLICANT: Aziz, Nataasha
; APPLICANT: Ginsberg, Wendy M.
; APPLICANT: Gish, Kurt C.
; APPLICANT: Glynnne, Richard
; APPLICANT: Hevezi, Peter A.
; APPLICANT: Mack, David H.
; APPLICANT: Murray, Richard
; APPLICANT: Watson, Susan R.
; APPLICANT: Eos Biotechnology, Inc.
; TITLE OF INVENTION: Methods of Diagnosis of Cancer, Compositions and
; FILE REFERENCE: 018501-012500US
; CURRENT APPLICATION NUMBER: US/10/295,027
; CURRENT FILING DATE: 2002-11-13
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Query Match 94.7%; Score 4928; DB 15; Length 941;									
Best Local Similarity 99.8%; Pred. No. 0;									
Matches 939; Conservative 0; Mismatches 2; Indels 0; Gaps 0;									
QY	1	MASPRSSGQPPPPPPPPPPARLLLLLLPLAPGAWGARGAPRPPSPPLSIMG	60						
DB	1	MASPRSSGQPPPPPPPPPPARLLLLLLPLAPGAWGARGAPRPPSPPLSIMG	60						
QY	61	LMPLTKEVAKSGIRGVLPAVELAIEQIRNESLLRPYFLDLRLDYDTECDNAKGLKAFYDA	120						
DB	61	LMPLTKEVAKSGIRGVLPAVELAIEQIRNESLLRPYFLDLRLDYDTECDNAKGLKAFYDA	120						
QY	121	IKYGNHLMVFGVCPSPVTSIIAESIQGNLVLSFAATPVLAADKKKYPYFRTVPDSN	180						
DB	121	IKYGNHLMVFGVCPSPVTSIIAESIQGNLVLSFAATPVLAADKKKYPYFRTVPDSN	180						
QY	181	AVNPAILKLLKHQWKRVTGTLTQDVORFSEVRNDLTGLVLYGEDIEISDTESFNDPCTSV	240						
DB	181	AVNPAILKLLKHQWKRVTGTLTQDVORFSEVRNDLTGLVLYGEDIEISDTESFNDPCTSV	240						
QY	241	KKLGNDVRIILQGFQDNMAAKVFCAYEENMYGSKYQWIIIPGWYEPSPWWEQVHTEANSS	300						
DB	241	KKLGNDVRIILQGFQDNMAAKVFCAYEENMYGSKYQWIIIPGWYEPSPWWEQVHTEANSS	300						
QY	301	RLRKNLLAAMEGYIGVDFPEPLSSKQIKTISGKTPOOYEREYNNKSGVGPSPKFGHYAD	360						
DB	301	RLRKNLLAAMEGYIGVDFPEPLSSKQIKTISGKTPOOYEREYNNKSGVGPSPKFGHYAD	360						
QY	361	GIWVIKTLQRAMETLHASRRHRIQDFNYTDHTLGRILINAMNETNFFGVTVQVVFRNG	420						
DB	361	GIWVIKTLQRAMETLHASRRHRIQDFNYTDHTLGRILINAMNETNFFGVTVQVVFRNG	420						
QY	421	ERMGTIKFTQFQDSREVKGVEYNADVTLEIINDTIRFQSEPPKDKTIILEQLRKISLP	480						
DB	421	ERMGTIKFTQFQDSREVKGVEYNADVTLEIINDTIRFQSEPPKDKTIILEQLRKISLP	480						
QY	481	LYSILSALTILGIMWASAFLEFNIKNRNOKLIKMSSPYMNNLIILGGMLSYSASIFLFGLD	540						
DB	481	LYSILSALTILGIMWASAFLEFNIKNRNOKLIKMSSPYMNNLIILGGMLSYSASIFLFGLD	540						
QY	541	GSFVSEKTFETLCTVTRTWLTGVTYTTAFGAMFAKTWRVHAI FKNVKKKKI IKDQKLLVI	600						
DB	541	GSFVSEKTFETLCTVTRTWLTGVTYTTAFGAMFAKTWRVHAI FKNVKKKKI IKDQKLLVI	600						
QY	601	VGMLLIDLCILICQAVDPRLRTVEKYSMEPPDAGRDISIRPLEHCENTHMTIWLGI	660						
DB	601	VGMLLIDLCILICQAVDPRLRTVEKYSMEPPDAGRDISIRPLEHCENTHMTIWLGI	660						
QY	661	YAYKGLMLFGCFLAWETRNVSIPALNDSKYIGMSVYNNVIMCIIGAAVSFLTRDQPNVQ	720						
DB	661	YAYKGLMLFGCFLAWETRNVSIPALNDSKYIGMSVYNNVIMCIIGAAVSFLTRDQPNVQ	720						
QY	721	FCIVALVIFCSITITLCLVFPVKLITLRTPNDAATQNRFFQTONOKKEDSKTSTSV	780						
DB	721	FCIVALVIFCSITITLCLVFPVKLITLRTPNDAATQNRFFQTONOKKEDSKTSTSV	780						
QY	781	NAQSTRLEGQSENHRLRMKITELDKLEEVMTQDTPTEKTYIKQNHQYELNDILNL	840						
DB	781	NAQSTRLEGQSENHRLRMKITELDKLEEVMTQDTPTEKTYIKQNHQYELNDILNL	840						
QY	841	GNFTESDGGKAILKNHLDQNPOLQWNTTSPSTCKDPIEDINSPEHIQRRLSLQPLILH	900						
DB	841	GNFTESDGGKAILKNHLDQNPOLQWNTTSPSTCKDPIEDINSPEHIQRRLSLQPLILH	900						
QY	901	HAYLPSITGGVDASCVPSCVPTASPRHRHVPPSFRVWVWSGL 941							
DB	901	HAYLPSITGGVDASCVPSCVPTASPRHRHVPPSFRVWVWSGL 941							

Db 720 FCIVALVIFPCSTITLCLVFPVKLITLRTNPDAAQNRFRQFTQNOCKEDSKTSTSVTSV 779  
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RESULT 12  
US-09-211-755B-4  
; Sequence 4, Application US/09211755B  
; Patent No. US20020045742A1  
; GENERAL INFORMATION:  
; APPLICANT: Kenneth A. Jones, Thomas M. Laz, Beth Borowsky  
; TITLE OF INVENTION: DNA Encoding a GABA<sub>B</sub>2 Polypeptide And Uses Thereof  
; FILE REFERENCE: 1795/54002-D  
; CURRENT APPLICATION NUMBER: US/09/211,755B  
; CURRENT FILING DATE: 1998-12-15  
; PRIOR APPLICATION NUMBER: 09/186,664  
; PRIOR FILING DATE: 1998-11-04  
; NUMBER OF SEQ ID NOS: 56  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 4  
; LENGTH: 940  
; TYPE: PRT  
; ORGANISM: Rattus sp.  
US-09-211-755B-4  
Query Match 97.6%; Score 4823.5; DB 9; Length 940;  
Best Local Similarity 97.8%; Pred. No. 0;  
Matches 920; Conservative 13; Mismatches 7; Indels 1; Gaps 1;  
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RESULT 13  
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; Sequence 4, Application US/09793139  
; Patent No. US20020156265A1  
; GENERAL INFORMATION:  
; APPLICANT: Jones, Kenneth A  
; TITLE OF INVENTION: DNA Encoding A GABA<sub>B</sub>2 Polypeptide And Uses Thereof  
; FILE REFERENCE: 54002epctus  
; CURRENT APPLICATION NUMBER: US/09/793,139  
; CURRENT FILING DATE: 2001-02-26  
; NUMBER OF SEQ ID NOS: 55  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 4  
; LENGTH: 929  
; TYPE: PRT  
; ORGANISM: Rattus Sp.  
US-09-793-139-4  
Query Match 96.0%; Score 4744; DB 9; Length 929;  
Best Local Similarity 96.6%; Pred. No. 0;  
Matches 909; Conservative 13; Mismatches 7; Indels 12; Gaps 2;  
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; SEQ ID NO 2		93.9%; Score 4643; DB 9; Length 898;	
; LENGTH: 898		Best Local Similarity 99.2%; Pred. No. 0;	
; TYPE: PRT		Matches 890; Conservative 0; Mismatches 1; Indels 6; Gaps 1;	
; ORGANISM: HUMAN;			
US-09-211-755B-2			
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DB	2	PSCPARSATGPLSINGMLPTKEVAGSIGRGVLP	PAVELAIEQIRNESLLRPYFLDLRLY 61
QY	105	DTECDNAKGLKAFYDAIKVGNHLMVFGVCP	SVTSIIAESLQGNLVLSFAATTPVLA 164
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QY	165	DKKKYPYFRTVPSDNAVNPAILKLLKHQW	KEVGTLDQVQRFSEVRNDLTGVLYGEDI 224
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DB 3174 CATCCATCGAGGCGTGGAGCGCGAGTGTGTAGCCCTCGGTGAGCCCGCCAGCCAGCC 3233  
QY 3066 CCGGCCACAGACATGTGCCACCTCTCCAGTCAATGGTCTCGGCGCTGTAAAGGTGGG 3125  
DB 3234 CCGGCCACAGACATGTGCCACCTCTCTCCAGTCAATGGTCTCGGCGCTGTAAAGGTGGG 3293  
QY 3126 GGGCCCTGGGCGCGGCGCTCCCGGTGACAGAACCACTGAGGAGAGGGGTCTGTGCA 3185  
DB 3294 AGGCTTGGGCGCGGCGCTCCCGGTGACAGAACCACTGAGGAGAGGGGTCTGTGCA 3353  
QY 3186 GAAACACTGTGGCTGTGGGTGGAGAGTGGGACCATGGCTGGCTCTCAGGAGCA 3245  
DB 3354 GAAACACTGTGGCTGTGGGTGGAGAGTGGGACCATGGCTGGCTCTCAGGAGCA 3413  
QY 3246 CTCGGATGGCACTCAGGTGAGACAGGAGCGGGGAGCTTGGACACTGACCTCGAG 3305  
DB 3414 CTCGGATGGCACTCAGGTGAGACAGGAGCGGGGAGCTTGGACACTGACCTCGAG 3473  
QY 3306 CCTTATTGTGAAGTCTTATTCTTCAAAAGAGGAAACGGAAATGGGAGCTCTTCC 3365  
DB 3474 CCTTATTGTGAAGTCTTATTCTTCAAAAGAGGAAACGGAAATGGGAGCTCTTCC 3533

QY 3366 TTAAATCTGCAAAACAGGAGCGCTGGGATATCAATTT 3404  
DB 3534 TTAAATCTGCAAAACAGGAGCGCTGGGATATCAATTT 3572

RESULT 2

US-10-101-510-649  
; Sequence 649, Application US/10101510  
; Publication No. US20030148295A1  
; GENERAL INFORMATION:  
; APPLICANT: WAN, JACKSON  
; APPLICANT: WANG, YIXIN  
; TITLE OF INVENTION: EXPRESSION PROFILES AND METHODS OF USE  
; FILE REFERENCE: 15117.0012  
; CURRENT APPLICATION NUMBER: US/10/101.510  
; CURRENT FILING DATE: 2002-03-20  
; PRIOR APPLICATION NUMBER: 60/276,947  
; PRIOR FILING DATE: 2001-03-20  
; NUMBER OF SEQ ID NOS: 805  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 649  
; LENGTH: 5477  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: modified base  
; LOCATION: (3272)..(3304)  
; OTHER INFORMATION: a, t, c, g, other or unknown  
; FEATURE:  
; NAME/KEY: modified base  
; LOCATION: (3914)..(3931)  
; OTHER INFORMATION: a, t, c, g, other or unknown  
US-10-101-510-649

Query Match 93.8%; Score 3262.8; DB 15; Length 5477;  
Best Local Similarity 99.9%; Pred. No. 0;  
Matches 3264; Conservative 1; Mismatches 3; Indels 0; Gaps 0;

QY 137 CGTTCTGAGCGAGCCGGAACCTTAGCCGAGACGGAGCCCGGGCCCGGGCGGCCA 196  
DB 1 CGTTCTGAGCGAGCCGGAACCTTAGCCGAGACGGAGCCCGGGCCCGGGCGGCCA 60  
QY 197 TTGCGCGGCGCGCGGGAAGACCTTGGCGGGCGGGCGGGCCAGGCCATGCGG 256  
DB 61 TTGCGCGGCGCGCGGGAAGACCTTGGCGGGCGGGCGGGCCAGGCCATGCGG 120  
QY 257 GCCGAGTGAAGCGCGCGCGAGCCCGGGCGGGCGGGCGGGCGGGAGCTCCCGG 316  
DB 121 GCCGAGTGAAGCGCGCGCGAGCCCGGGCGGGCGGGCGGGCGGGAGCTCCCGG 180  
QY 317 CAGCCCGGCG 376  
DB 181 CAGCCCGGCG 240  
QY 377 CTGCGCGTGTCTGCTCTTGGCGCGCGGGCGCGGGCGCGGGCGCGGGCGCGGG 436  
DB 241 CTGCGCGTGTCTGCTCTTGGCGCGCGGGCGCGGGCGCGGGCGCGGGCGCGGG 300  
QY 437 CCGCGCGCGAGCGCGCGCGCTCTCCATCATGCGGCTCATGCGCTCAACGAGAGTG 496  
DB 301 CCGCGCGCGAGCGCGCGCGCTCTCCATCATGCGGCTCATGCGCTCAACGAGAGTG 360  
QY 497 GCCAAGGCGAGCATCGGGCGGGTGTGTCTCCCGCGGTGAACTGGCCATCGAGAGTC 556  
DB 361 GCCAAGGCGAGCATCGGGCGGGTGTGTCTCCCGCGGTGAACTGGCCATCGAGAGTC 420  
QY 557 CGCAACGAGTCACTCTCTGCGCCCTTCTTCTCGACCTCGGCTCTATGACACGAGTGC 616  
DB 421 CGCAACGAGTCACTCTCTGCGCCCTTCTTCTCGACCTCGGCTCTATGACACGAGTGC 480  
QY 617 GACAAACGAAAGGGTGTGAAGCCTTCTACGATGCATATAAATACGGGCGGACCACTTG 676  
DB 481 GACAAACGAAAGGGTGTGAAGCCTTCTACGATGCATATAAATACGGGCGGACCACTTG 540

QY	677	ATG	TGT	TTGGAGCGCTGTGTC	CAATCCG	TACATCC	ATTCAGAGTCCCTC	C	AAGGC	736
DB	541	ATG	TGT	TTGGAGCGCTGTGTC	CAATCCG	TACATCC	ATTCAGAGTCCCTC	C	AAGGC	600
QY	737	TGA	AACTCTG	TCAGCTTTCTTTTG	CTGCAACC	AGCGCTGTT	CTAGCCGATAA	GAAAAA	796	
DB	601	TGA	AACTCTG	TCAGCTTTCTTTTG	CTGCAACC	AGCGCTGTT	CTAGCCGATAA	GAAAAA	660	
QY	797	TAC	CCTTATTC	TTCGGACCGTCCC	ATCAGACA	ATGGGTGANTC	CAGCATTC	TAAG	856	
DB	661	TAC	CCTTATTC	TTCGGACCGTCCC	ATCAGACA	ATGGGTGANTC	CAGCATTC	TAAG	720	
QY	857	TTG	CTCAAGCACTAC	CAGTGAAGCGGTGG	CGCACGCTG	ACGCAAGA	CGTTTCAGAG	GTTC	916	
DB	721	TTG	CTCAAGCACTAC	CAGTGAAGCGGTGG	CGCACGCTG	ACGCAAGA	CGTTTCAGAG	GTTC	780	
QY	917	TCT	OAGTGTG	CGAATGACCTGACT	TGGAGTTCTG	TATGGCGAG	CAATTGAGATTC	AGAC	976	
DB	781	TCT	OAGTGTG	CGAATGACCTGACT	TGGAGTTCTG	TATGGCGAG	CAATTGAGATTC	AGAC	840	
QY	977	ACC	GAGAGCTTCTCCA	AGATCCCTGTAC	AGTGTCAA	AAAGCTCA	AAAGGGRATG	ATGTC	1036	
DB	841	ACC	GAGAGCTTCTCCA	AGATCCCTGTAC	AGTGTCAA	AAAGCTCA	AAAGGGRATG	ATGTC	900	
QY	1037	CGG	ATCATCTCTTG	CCAGTTTGAC	CAGAAATATG	GCAGCAAA	AGTGTCTGTTG	TCATAC	1096	
DB	901	CGG	ATCATCTCTTG	CCAGTTTGAC	CAGAAATATG	GCAGCAAA	AGTGTCTGTTG	TCATAC	960	
QY	1097	GAG	GAGAACATGTAT	GTGTAGTAA	NATATCAGT	GGATCATTC	CGGCTGGTAC	GAGCCTTCT	1156	
DB	961	GAG	GAGAACATGTAT	GTGTAGTAA	NATATCAGT	GGATCATTC	CGGCTGGTAC	GAGCCTTCT	1020	
QY	1157	TGT	TGGGAGCAGGTG	CCACACGG	AAGCCAACTCAT	CCCCCTGCC	CTCCGAGAA	NATCTGCTT	1216	
DB	1021	TGT	TGGGAGCAGGTG	CCACACGG	AAGCCAACTCAT	CCCCCTGCC	CTCCGAGAA	NATCTGCTT	1080	
QY	1217	GCT	CCATGAGG	GGCTACATTGG	CGTGATTTCC	AGCCCTGAGCT	CCAAAGCAGAT	CAAG	1276	
DB	1081	GCT	CCATGAGG	GGCTACATTGG	CGTGATTTCC	AGCCCTGAGCT	CCAAAGCAGAT	CAAG	1140	
QY	1277	ACC	ATCTCAGGAA	AGACTCCACAG	CACTATGAGAG	AGAGTACAA	CAACAGCGGT	TCAGGC	1336	
DB	1141	ACC	ATCTCAGGAA	AGACTCCACAG	CACTATGAGAG	AGAGTACAA	CAACAGCGGT	TCAGGC	1200	
QY	1337	GTG	GGGCCCAGCAT	GTCCAGG	GTACGCCTAC	CAATGGCATCT	GGGTATCGCC	CAAGACA	1396	
DB	1201	GTG	GGGCCCAGCAT	GTCCAGG	GTACGCCTAC	CAATGGCATCT	GGGTATCGCC	CAAGACA	1260	
QY	1397	CTG	CAGAGGGCCAT	TGGAGACACTGC	ATGCCAGCAG	CGGCAC	AGCGGATCC	CAGAGCTTC	1456	
DB	1261	CTG	CAGAGGGCCAT	TGGAGACACTGC	ATGCCAGCAG	CGGCAC	AGCGGATCC	CAGAGCTTC	1320	
QY	1457	AACTAC	ACGGACCA	CA	CGCTGGG	CAGGATCATCTCA	ATGCCATGA	ACGAGACCACTTC	1516	
DB	1321	AACTAC	ACGGACCA	CA	CGCTGGG	CAGGATCATCTCA	ATGCCATGA	ACGAGACCACTTC	1380	
QY	1517	TT	CGGGTCACGG	GTCAAGTTGTAT	TCGGNAATGGG	GAGAAATGGGG	ACCATTAATTT		1576	
DB	1381	TT	CGGGTCACGG	GTCAAGTTGTAT	TCGGNAATGGG	GAGAAATGGGG	ACCATTAATTT		1440	
QY	1577	ACT	CAATTTCAAG	CACAGCGG	AGGTGAAGTGGG	AGAGTACA	ACGCTGTGGC	CGACACA	1636	
DB	1441	ACT	CAATTTCAAG	CACAGCGG	AGGTGAAGTGGG	AGAGTACA	ACGCTGTGGC	CGACACA	1500	
QY	1637	CTG	GAGATCAT	CAATGAC	CAATCAG	GTTC	CAAGGATCCG	AACCAACGAGAC	1696	
DB	1501	CTG	GAGATCAT	CAATGAC	CAATCAG	GTTC	CAAGGATCCG	AACCAACGAGAC	1560	
QY	1697	AT	CATCTGG	AGCAGCTG	CGGAA	AGATCTCC	CTATAC	AGCATCTCTCTG	CGCCTC	1756
DB	1561	AT	CATCTGG	AGCAGCTG	CGGAA	AGATCTCC	CTATAC	AGCATCTCTCTG	CGCCTC	1620

QY	1757	ACCATCTCGGGATGATCATGGCCAGTGTCTTCTCTTCTTCAACATCAAGAACCCGGAAT	1816
DB	1621	ACCATCTCGGGATGATCATGGCCAGTGTCTTCTCTTCTTCAACATCAAGAACCCGGAAT	1680
QY	1817	CAGAAGCTCATAAAGATGTGAGTCCATACATGAACAACTTATCATCTCTTGAGGGATG	1876
DB	1681	CAGAAGCTCATAAAGATGTGAGTCCATACATGAACAACTTATCATCTCTTGAGGGATG	1740
QY	1877	CTCTCTATGTTCCATATTTCTTTTGGCCTTGATGGATCTCTTGTCTCTGTAAGAACCC	1936
DB	1741	CTCTCTATGTTCCATATTTCTTTTGGCCTTGATGGATCTCTTGTCTCTGTAAGAACCC	1800
QY	1937	TTTGAACACTTTGCACCGTCAGGACCTGGATTCTTCAACGTGGGCTACACGACCGCTTTT	1996
DB	1801	TTTGAACACTTTGCACCGTCAGGACCTGGATTCTTCAACGTGGGCTACACGACCGCTTTT	1860
QY	1997	GGGGCCATGTTGCAAGACCTGGAGAGTCCACGCCATCTTCAAAATGTGAANAATGAAG	2056
DB	1861	GGGGCCATGTTGCAAGACCTGGAGAGTCCACGCCATCTTCAAAATGTGAANAATGAAG	1920
QY	2057	AAGAAGATCATCAAGGACCAAGAACTCTTGTGTGATCGTGGGGGCGATCTGCTGATCGAC	2116
DB	1921	AAGAAGATCATCAAGGACCAAGAACTCTTGTGTGATCGTGGGGGCGATCTGCTGATCGAC	1980
QY	2117	CTGTGTATCTGTATCTGCTGGCAGGCTGTGGACCCCTCGCAAGGACAGTGGAGAAAGTAC	2176
DB	1981	CTGTGTATCTGTATCTGCTGGCAGGCTGTGGACCCCTCGCAAGGACAGTGGAGAAAGTAC	2040
QY	2177	AGCATGAGCCGGACCCAGCAGGACGGGATATCTCCATCCGCCCTCTCTCTGGAGCACTGT	2236
DB	2041	AGCATGAGCCGGACCCAGCAGGACGGGATATCTCCATCCGCCCTCTCTCTGGAGCACTGT	2100
QY	2237	GAGAACCCCATATGACCATCTGCTTGGGATCGTCTATGCCCTACAAAGGACATCTCTCATG	2296
DB	2101	GAGAACCCCATATGACCATCTGCTTGGGATCGTCTATGCCCTACAAAGGACATCTCTCATG	2160
QY	2297	TTGTTTCGGTTGTTTCTTAGCTTGGGACCCGCCAAACGTGACGATCCCGCACTCAACGAC	2356
DB	2161	TTGTTTCGGTTGTTTCTTAGCTTGGGACCCGCCAAACGTGACGATCCCGCACTCAACGAC	2220
QY	2357	AGCAAGTACATCGGGATGAGTGTCTAACAAGTGGGATCATGTGCATCATCGGGGCCGCT	2416
DB	2221	AGCAAGTACATCGGGATGAGTGTCTAACAAGTGGGATCATGTGCATCATCGGGGCCGCT	2280
QY	2417	GTCTCTTCTGTACCCGGGACCAAGCAATGTGCAGTTCGTGCATCGTGGCTCTGGTCACTC	2476
DB	2281	GTCTCTTCTGTACCCGGGACCAAGCAATGTGCAGTTCGTGCATCGTGGCTCTGGTCACTC	2340
QY	2477	ATCTTCTGAGCACCATCACCTCTGCTCGGTATTCGTCCGAAGTTCATCACCCCTGAGA	2536
DB	2341	ATCTTCTGAGCACCATCACCTCTGCTCGGTATTCGTCCGAAGTTCATCACCCCTGAGA	2400
QY	2537	ACAAACCCAGATGAGCAAAAGCAGAACAGGGGATTCAGTTTCACTCAGATTCAGAAGAAA	2596
DB	2401	ACAAACCCAGATGAGCAAAAGCAGAACAGGGGATTCAGTTTCACTCAGATTCAGAAGAAA	2460
QY	2597	GAGATTTCTAAACGTTCCACTCGGTCCACAGTGTGAACCAAGCCAGCACATCCCGGCTG	2656
DB	2461	GAGATTTCTAAACGTTCCACTCGGTCCACAGTGTGAACCAAGCCAGCACATCCCGGCTG	2520
QY	2657	GAGGGCCTTACAGTCAGAAAAACCATCGCCTCGAATGAAGATCAAGAGCTGGATTAAGAC	2716
DB	2521	GAGGGCCTTACAGTCAGAAAAACCATCGCCTCGAATGAAGATCAAGAGCTGGATTAAGAC	2580
QY	2717	TTGGAAGAGGTACCATGTGAGTCCAGGACACACCCAGAAAAAGACCCTTACATTAACAG	2776
DB	2581	TTGGAAGAGGTACCATGTGAGTCCAGGACACACCCAGAAAAAGACCCTTACATTAACAG	2640
QY	2777	AACCACTACCAAGAGCTCAATGACATCTCTCAACTCGGAAACTTCTACTGAGAGCACAGAT	2836
DB	2641	AACCACTACCAAGAGCTCAATGACATCTCTCAACTCGGAAACTTCTACTGAGAGCACAGAT	2700
QY	2837	GGAGGAAGGCGCATTTTTAAAAAATTCACCTCGATCAAAATCCCCAGCTACAGTGGAAACACA	2896

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Db 2701 GGAGGAAAGGCCATTTTAAAAATCACCTCGATCAAAATCCCGAGCTACAGTGAACACA 2760
Qy 2897 ACAGAGCCCTCTCGAACATGCAAGATCCTATAGAGATATAAATCTCCAGAACACATC 2956
Db 2761 ACAGAGCCCTCTCGAACATGCAAGATCCTATAGAGATATAAATCTCCAGAACACATC 2820
Qy 2957 CAGCGTCGGGTGTCCTCCAGCTCCCATCTCCACAGCGCTACCTCCCATCCATCGGA 3016
Db 2821 CAGCGTCGGGTGTCCTCCAGCTCCCATCTCCACAGCGCTACCTCCCATCCATCGGA 2880
Qy 3017 GGGTGGACGCGAGCTGTGTGAGCCCTGGGTGAGCCCGCCAGCCCGCCGCGACAGA 3076
Db 2881 GGGTGGACGCGAGCTGTGTGAGCCCTGGGTGAGCCCGCCAGCCCGCCGCGACAGA 2940
Qy 3077 CATGTGCCACCCCTCTCCAGATCATGTCTCGGGCTGTGAAGGGTGGGGGCTCGGGCC 3136
Db 2941 CATGTGCCACCCCTCTCCAGATCATGTCTCGGGCTGTGAAGGGTGGGGGCTCGGGCC 3000
Qy 3137 CGGGGCTCTCCCGTGCACAGAACACACACTGGGCGAGAGGGTCTGTGCGAGAACACTGTC 3196
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Qy 3257 CTCAGGTGACAGAGCGGGGAGAGCTGGGACCATCGGACCATCGGACCATCTATTTG 3316
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Qy 3317 AGTCTCTATTTCTTCAAAAGAGAGGAACGGAAATGGGACCTCTTCTTAACATCTGC 3376
Db 3181 AGTCTCTATTTCTTCAAAAGAGAGGAACGGAAATGGGACCTCTTCTTAAATCTGC 3240
Qy 3377 AAACAGGAGGGCTCGGATATCRAATT 3404
Db 3241 AAACAGGAGGGCTCGGATATCAAACT 3268

RESULT 3
US-09-818-879-1
; Sequence 1, Application US/09818879
; Patent No. US20010023289A1
; GENERAL INFORMATION:
; APPLICANT: Jones, Kenneth
; APPLICANT: Laz, Thomas
; APPLICANT: Borowsky, Beth
; TITLE OF INVENTION: DNA encoding a GABBR2 polypeptide and uses thereof
; FILE REFERENCE: 1795/54002DA
; CURRENT APPLICATION NUMBER: US/09/818,879
; CURRENT FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: US 09/211,755
; PRIOR FILING DATE: 1998-12-15
; NUMBER OF SEQ ID NOS: 55
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 1
; LENGTH: 3244
; TYPE: DNA
; ORGANISM: human
US-09-818-879-1

Query Match 84.6%; Score 2943.2; DB 9; Length 3244;
Best Local Similarity 99.8%; Pred. No. 0;
Matches 2945; Conservative 1; Mismatches 4; Indels 0; Gaps 0;

Qy 455 CCCTCTCCATCATGGGCTCATGGCTCACCAAGAGGTGGCCAAAGGCGAGCATCGGG 514
Db 277 CCCTCTCCATCATGGGCTCATGGCTCACCAAGAGGTGGCCAAAGGCGAGCATCGGG 336
Qy 515 CCGGTGTGCTCCCGCGGTGGAACTGGCCATCGAGCAGATCGCAACAGATCACTCTG 574
Db 337 CCGGTGTGCTCCCGCGGTGGAACTGGCCATCGAGCAGATCGCAACAGATCACTCTG 396
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Qy 575 CGCCCTACTTCTCGAAGCTCGGGCTCTATGACGAGGTGCGACAAACGAAAAGGGTTG 634
Db 397 CGCCCTACTTCTCGAAGCTCGGGCTCTATGACGAGGTGCGACAAACGAAAAGGGTTG 456
Qy 635 AAAGCTTCTCAGATGCAATAAATAACGGGCGGAACCACTTGTATGGTGTGGAGCGTC 694
Db 457 AAAGCTTCTCAGATGCAATAAATAACGGGCGGAACCACTTGTATGGTGTGGAGCGTC 516
Qy 695 TGTCCATCCGTGCACATCAATTCAGAGTCCCTCCAGAGTGGAAATCTGGTGCAGCTT 754
Db 517 TGTCCATCCGTGCACATCAATTCAGAGTCCCTCCAGAGTGGAAATCTGGTGCAGCTT 576
Qy 755 TCTTTTGTCTGCAACCAACGCTGTCTAGCCGATAAGAAAAATACCCCTATTCTTTTGG 814
Db 577 TCTTTTGTCTGCAACCAACGCTGTCTAGCCGATAAGAAAAATACCCCTATTCTTTTGG 636
Qy 815 ACCGTCCATCAGACAAATGCGGTGAATCAGGCATTCGAAGTTGCTCAAGCACTACCA 874
Db 637 ACCGTCCATCAGACAAATGCGGTGAATCAGGCATTCGAAGTTGCTCAAGCACTACCA 696
Qy 875 TGAAGCGGTGGGCGACGCTGACGCAAGACGTTCAAGAGTCTCTGAGGTGCGGAATGAC 934
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Qy 935 CTGACTGGAGTTCTGTATGGCGAGGACATTTGAGATTTTCAGACACCGAGAGCTTCTCAAC 994
Db 757 CTGACTGGAGTTCTGTATGGCGAGGACATTTGAGATTTTCAGACACCGAGAGCTTCTCAAC 816
Qy 995 GATCCCTGTACAGTGTCAAAAGCTGAAGGGAATGATGTGCGGATCATCTTGGCCAG 1054
Db 817 GATCCCTGTACAGTGTCAAAAGCTGAAGGGAATGATGTGCGGATCATCTTGGCCAG 876
Qy 1055 TTTGACCAAGATATGCGCAGCAAAAGTGTCTGTCGATACGAGGAGAACATGTATGT 1114
Db 877 TTTGACCAAGATATGCGCAGCAAAAGTGTCTGTCGATACGAGGAGAACATGTATGT 936
Qy 1115 AGTAAATATCAGTGGATCATTCGGGCTGGTACGAGCCCTCTTGTGGGAGAGGTGCAC 1174
Db 937 AGTAAATATCAGTGGATCATTCGGGCTGGTACGAGCCCTCTTGTGGGAGAGGTGCAC 996
Qy 1175 ACGAAGCAACTCATTCGGCTGCTCCGGAAGATCTGCTTGTGCGCATGAGAGGCTAC 1234
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Qy 1235 ATTGGCTGGATTTTCGAGCCCTGAGCTCCAGAGCAGATCAAGACCATCTCAGAAAGACT 1294
Db 1057 ATTGGCTGGATTTTCGAGCCCTGAGCTCCAGAGCAGATCAAGACCATCTCAGAAAGACT 1116
Qy 1295 CCACAGCAGATGAGAGAGAGTACAAACAAAGCGGTGAGGCTGGGCGCCAGCAAGTTC 1354
Db 1117 CCACAGCAGATGAGAGAGAGTACAAACAAAGCGGTGAGGCTGGGCGCCAGCAAGTTC 1176
Qy 1355 CACGGGTACGCTCAGATGGCATCTGGGTCTATCGCAAGACACTGCGAGAGGCGCATGGAG 1414
Db 1177 CACGGGTACGCTCAGATGGCATCTGGGTCTATCGCAAGACACTGCGAGAGGCGCATGGAG 1236
Qy 1415 ACATCTGATCCAGCAGCGCGGACCAAGCGGATCCAGGACTTCAACTACAGGACCAAG 1474
Db 1237 ACATCTGATCCAGCAGCGCGGACCAAGCGGATCCAGGACTTCAACTACAGGACCAAG 1296
Qy 1475 CTGGGCGAGGATCATCTCAATGCCATGAACGAGACCAACTCTTCTGGGGTCAAGGTC 1534
Db 1297 CTGGGCGAGGATCATCTCAATGCCATGAACGAGACCAACTCTTCTGGGGTCAAGGTC 1356
Qy 1535 GTTGTATTTCCGGAATGGGAGAGAAATGGGAGCACTTAAATTTTACTCAATTTCAAGACAG 1594
Db 1357 GTTGTATTTCCGGAATGGGAGAGAAATGGGAGCACTTAAATTTTACTCAATTTCAAGACAG 1416
Qy 1595 AGGAGGTGAAGTGGGAGAGTACAAAGCTGTGGCGGACACACTGAGATCATCATGAC 1654
Db 1417 AGGAGGTGAAGTGGGAGAGTACAAAGCTGTGGCGGACACACTGAGATCATCATGAC 1476
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1655 ACCATCAGGTTCCAGGATCCGAAACCAACCAAGACCAAGACCATCATCTCTGGAGCAGCTG 1714  
1477 ACCATCAGGTTCCAGGATCCGAAACCAACCAAGACCAAGACCATCATCTCTGGAGCAGCTG 1536  
1715 CGAAGATCTCCCTACCTCTCTACAGATCCTCTCTGCGCCTACCATCTCTCGGGATGATC 1774  
1537 CGAAGATCTCCCTACCTCTCTACAGATCCTCTCTGCGCCTACCATCTCTCGGGATGATC 1596  
1775 ATGCCAGTGTCTTCTCTCTTCAACATCAAGAACCGGAATCAGAGCTCATAAAGATG 1834  
1597 ATGCCAGTGTCTTCTCTCTTCAACATCAAGAACCGGAATCAGAGCTCATAAAGATG 1656  
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1657 TCAGATCCATACATGAACAACTTATCATCTCTGGAGGATGCTTCTCTATGCTTCCATA 1716  
1895 TTTCTCTTTGGCCTTGATGGATCCTTTGCTCTGAAAGACCTTTGAAACACCTTTGCACC 1954  
1717 TTTCTCTTTGGCCTTGATGGATCCTTTGCTCTGAAAGACCTTTGAAACACCTTTGCACC 1776  
1955 GTCAGGACTGGATTTCTACCGTGGGCTACACGACGCTTTTGGGGCCATGTTTGCAAAG 2014  
1777 GTCAGGACTGGATTTCTACCGTGGGCTACACGACGCTTTTGGGGCCATGTTTGCAAAG 1836  
2015 ACCTGGAGAGTCCACGCCATCTTTCAAAATGTGAAATGAAGAAAGATCATCAAGGAC 2074  
1837 ACCTGGAGAGTCCACGCCATCTTTCAAAATGTGAAATGAAGAAAGATCATCAAGGAC 1896  
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1897 CAGAAATCTGTTGATCGTGGGGGCGATGCTGCTGATCGACCTGTGATCTCTGATCTGC 1956  
2135 TGCAGGCTGTGGACCCCTGCGAAGGACAGTGGAGAGTACAGCATGAGCCGACCCA 2194  
1957 TGCAGGCTGTGGACCCCTGCGAAGGACAGTGGAGAGTACAGCATGAGCCGACCCA 2016  
2195 GCAGGAGGGATATCTCATCCGCTCTCTCGAGCACTGTGAGAACCCCATATGACC 2254  
2017 GCAGGAGGGATATCTCATCCGCTCTCTCGAGCACTGTGAGAACCCCATATGACC 2076  
2255 ATCTGGCTTGGCATCGTATGCTTACAGGGACTTCTCATGTTGTTGGTGTGTTCTTA 2314  
2077 ATCTGGCTTGGCATCGTATGCTTACAGGGACTTCTCATGTTGTTGGTGTGTTCTTA 2136  
2315 GCTTGGGAGACCCGCAAGCTCAGATCCCGCACTCAACGACAGCAAGTACATCGGGATG 2374  
2137 GCTTGGGAGACCCGCAAGCTCAGATCCCGCACTCAACGACAGCAAGTACATCGGGATG 2196  
2375 AGTGTCTACAACTGGGGATCATGTGATCATCGGGGCGCTGTCTCTTCTGACCCGG 2434  
2197 AGTGTCTACAACTGGGGATCATGTGATCATCGGGGCGCTGTCTCTTCTGACCCGG 2256  
2435 GACCAGCCCAATGTCAGTTCTGCATCGTGGCTCTGCTCATCATCTTCTGACCACTC 2494  
2257 GACCAGCCCAATGTCAGTTCTGCATCGTGGCTCTGCTCATCATCTTCTGACCACTC 2316  
2495 ACCCTCTGCTGTTATTCGTGCGAAGCTCATCACCTCGAGAACAAACCCAGATGACGA 2554  
2317 ACCCTCTGCTGTTATTCGTGCGAAGCTCATCACCTCGAGAACAAACCCAGATGACGA 2376  
2555 ACCGAGAACGGGATTCAGTTTCACTCAGAATCAGAGAAAGAGATCTTAAACGTCC 2614  
2377 ACCGAGAACGGGATTCAGTTTCACTCAGAATCAGAGAAAGAGATCTTAAACGTCC 2436  
2615 ACCTCGGTCAACAGTGTGAACCAAGCCAGACATCCCGCTGGAGGGCCTTACAGTCAGAA 2674  
2437 ACCTCGGTCAACAGTGTGAACCAAGCCAGACATCCCGCTGGAGGGCCTTACAGTCAGAA 2496  
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2497 AACCATCGCTCGAATGAAGATCAAGAGCTGGATTAAGACTTGAAGAGTCAAGATG 2556  
2735 CAGCTGCAGGACAACCAAGAAAGACCACTTAAACAGAAACCACTACCAAGAGCTC 2794

2557 CAGCTGCAGGACACACCAGAAAAGACCCTTACATTTAAACAGAACCTTACCAAGAGCTC 2616  
2795 AATGACATCTCTCAACTCTGGGAACTTCTACTGAGAGCAGATGGAGGAAGGCCATTTTA 2854  
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2855 AAAAATCACTCTCGATCAAAATCCCAGCTTACAGTGGAAACACACAGAGCCCTCTCGAACA 2914  
2677 AAAAATCACTCTCGATCAAAATCCCAGCTTACAGTGGAAACACACAGAGCCCTCTCGAACA 2736  
2915 TGCAAGATCTCTATAGAAGATATAAACTCTCCAGAACACATCCAGCGTGGGTGCTCCCTC 2974  
2737 TGCAAGATCTCTATAGAAGATATAAACTCTCCAGAACACATCCAGCGTGGGTGCTCCCTC 2796  
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2797 CAGCTCCCATCTCTCAACACGCTTACCTCCATCATCGAGAGGCTGAGACGCCAGCTGT 2856  
3035 GTCAGCCCTCGCTCAGCCCAACCCGCAAGCCGCAAGACATGTGCCACCTCCCTTC 3094  
2857 GTCAGCCCTCGCTCAGCCCAACCCGCAAGCCGCAAGACATGTGCCACCTCCCTTC 2916  
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2917 CGAGTCATGCTCTCGGGCCTGTAAAGGTGGGGGCTGTGGGCCCGGGGCTTCCCGCTGAC 2976  
3155 AGAACACACTCTGGGAGAGGGTCTGTGTCAGAAACACTGTGCGCTCTGGCTGCGGAGAA 3214  
2977 AGAACACACTCTGGGAGAGGGTCTGTGTCAGAAACACTGTGCGCTCTGGCTGCGGAGAA 3036  
3215 GCTGGGACCATGGCTGCGCTCTCAGGACCACTCGGATGGCACTCAGGTGGACAGACGG 3274  
3037 GCTGGGACCATGGCTGCGCTCTCAGGACCACTCGGATGGCACTCAGGTGGACAGACGG 3096  
3275 GGCAGGGGAGACTTGGCACCTGACCTCGAGCCTTATTTGTGAAGTCTTATTTCTTCAC 3334  
3097 GGCAGGGGAGACTTGGCACCTGACCTCGAGCCTTATTTGTGAAGTCTTATTTCTTCAC 3156  
3335 AAAGAAGAGGAACGGAAATGGGACGCTTCTCTTAACATCTGCAACAGAGGCGCTGG 3394  
3157 AAAGAAGAGGAACGGAAATGGGACGCTTCTCTTAACATCTGCAACAGAGGCGCTGG 3216  
3395 ATATCAAACT 3404  
3217 ATATCAAACT 3226

RESULT 4

US-09-211-755B-1  
; Sequence 1, Application US/09211755B  
; Patent No. US20020045742A1  
; GENERAL INFORMATION:  
; APPLICANT: Kenneth A. Jones, Thomas M. Laz, Beth Borowsky  
; TITLE OF INVENTION: DNA Encoding a GABBR2 Polypeptide And Uses Thereof  
; FILE REFERENCE: 1795/54002-D  
; CURRENT APPLICATION NUMBER: US/09/211,755B  
; PRIOR FILING DATE: 1998-12-15  
; PRIOR APPLICATION NUMBER: 09/186,664  
; PRIOR FILING DATE: 1998-11-04  
; NUMBER OF SEQ ID NOS: 56  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 1  
; LENGTH: 3244  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-211-755B-1

Query Match 84.6%; Score 2943.2; DB 9; Length 3244;  
Best Local Similarity 99.8%; Pred. No. 0;  
Matches 2945; Conservative 1; Mismatches 4; Indels 0; Gaps 0;  
QY 455 CCGCTCTCCATCATGGGCTCATGCGCTCACCAAGAGGTGGCCCAAGGGCAGCATCGG 514



Db 277 |||||CGGCTCTCCATCATGCGCTCATGCGCTCACCAAGGAGTGCGCCAAAGGCGAGCATCGGG336  
QY 515 CGGGGTGTGCTCCCGCGCTGGAACTGGCCATCGAGCAGATCGGCAACAGTCACTCTCG574  
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QY 575 CGGCCCTACTCTCGACCTGCGGCTCTATGACACGGAGTGCAGAACGCAAAAGGGTTG634  
Db 397 CGGCCCTACTCTCGACCTGCGGCTCTATGACACGGAGTGCAGAACGCAAAAGGGTTG456  
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QY 2375 AGTGTCTACAACGTTGGGATCATGTGCATCATCGGGGCGCTGTCTCTCTGACCCCG2434  
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3217 ATATCAAAT 3226  
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RESULT 5

US-09-793-139-1  
; Sequence 1, Application US/09793139  
; Patent No. US20020156265A1  
; GENERAL INFORMATION:  
; APPLICANT: Jones, Kenneth A  
; TITLE OF INVENTION: DNA Encoding A GABA BR2 Polypeptide And Uses Thereof  
; FILE REFERENCE: 54002epctus  
; CURRENT APPLICATION NUMBER: US/09/793,139  
; CURRENT FILING DATE: 2001-02-26  
; NUMBER OF SEQ ID NOS: 55  
; SOFTWARE: PatentIn Ver. 4.1  
; SEQ ID NO 1  
; LENGTH: 3244  
; TYPE: DNA  
; ORGANISM: Homo Sapiens  
US-09-793-139-1

Query Match 84.6%; Score 2943.2; DB 9; Length 3244;

Best Local Similarity 99.8%; Pred. No. 0;			
Matches 2945; Conservative 1; Mismatches 4; Indels 0; Gaps 0;			
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QY	515	CGGGTGTCTCCCGCGCTGGAATCGGCATCGAGCAGATCCGCAACAGAGTCATCTCTG	574
DB	337	CGGGTGTCTCCCGCGCTGGAATCGGCATCGAGCAGATCCGCAACAGAGTCATCTCTG	396
QY	575	CGCCCTCTCTCGACCTCGCGCTCTATGACAGGAGTGGCAACACCAAAAGGGTTG	634
DB	397	CGCCCTCTCTCGACCTCGCGCTCTATGACAGGAGTGGCAACACCAAAAGGGTTG	456
QY	635	AAAGCTTCTCAGATGCAATAAAATACGGGCGCAACCACTTGTGTTTGGAGGCTC	694
DB	457	AAAGCTTCTCAGATGCAATAAAATACGGGCGCAACCACTTGTGTTTGGAGGCTC	516
QY	695	TCTCCATCGTCCATCATTCAGAGTCCCTCCAGGCTGGAATCTGTGTCAGCTT	754
DB	517	TCTCCATCGTCCATCATTCAGAGTCCCTCCAGGCTGGAATCTGTGTCAGCTT	576
QY	755	TCTTTTGTGCAACCAACGCTCTTCTAGCCGATAAGAAAAATACCTTATTTCTTGG	814
DB	577	TCTTTTGTGCAACCAACGCTCTTCTAGCCGATAAGAAAAATACCTTATTTCTTGG	636
QY	815	ACCGTCCCATCAGAAATCGGCTGAATTCAGCAATTCGAAGTTGCTCAAGCACTACAG	874
DB	637	ACCGTCCCATCAGAAATCGGCTGAATTCAGCAATTCGAAGTTGCTCAAGCACTACAG	696
QY	875	TGGAAGCGGTGGGCAACGCTGACGCAAGACGTTCTGAGGTTCTCTGAGTGGGAATGAC	934
DB	697	TGGAAGCGGTGGGCAACGCTGACGCAAGACGTTCTGAGGTTCTCTGAGTGGGAATGAC	756
QY	935	CTGACTGGAGTTCTGTATGGCGAGGACATTTGAGATTTTTCAGACACCGAGAGCTTCTCCAC	994
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QY	995	GATCCCTGTACAGTGTCAAAAGCTGAAGGGAATGATGTCCGATCATCTCTGGCCAG	1054
DB	817	GATCCCTGTACAGTGTCAAAAGCTGAAGGGAATGATGTCCGATCATCTCTGGCCAG	876
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DB	877	TTTGGACCAATATCGCAGCAAAAGTGTCTGTGATACAGAGAGCAATGATGTATGT	936
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QY	1175	ACGGAAGCAACTCATTCGGCTGCCCGGAAAGATTCGTCTGTGTCCTCATGAGGGCTAC	1234
DB	997	ACGGAAGCAACTCATTCGGCTGCCCGGAAAGATTCGTCTGTGTCCTCATGAGGGCTAC	1056
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DB	1057	ATTGGCGTGGATTTTCGAGCCCTGAGCTCCAGAGAGATCAAGACCATCTCAGAGAACT	1116
QY	1295	CCACAGCAGTATGAGAGAGATGACAAACAAAGCGGTGAGGCTGGGGCCCGAGCAAGTTTC	1354
DB	1117	CCACAGCAGTATGAGAGAGATGACAAACAAAGCGGTGAGGCTGGGGCCCGAGCAAGTTTC	1176
QY	1355	CACGGGTACGCTCAGTGGATCTGGGTTCATCGGCAAGACACTGAGAGGGCCATGGAG	1414
DB	1177	CACGGGTACGCTCAGTGGATCTGGGTTCATCGGCAAGACACTGAGAGGGCCATGGAG	1236
QY	1415	ACACTGCATGCCAGCAGCGGCAACGAGGATCCAGGACTTCAACTACACGACACACAG	1474
DB	1237	ACACTGCATGCCAGCAGCGGCAACGAGGATCCAGGACTTCAACTACACGACACACAG	1296
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Qy 1955 GTCAGGACCTGGATTTCTACCGTGGGCTACACGACCGCTTTTGGGCCATGTTTGAAG 2014  
Db 1777 GTCAGGACCTGGATTTCTACCGTGGGCTACACGACCGCTTTTGGGCCATGTTTGAAG 1836  
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Db 1837 ACTGAGAGTCCACGCCATCTTCAAAAATGGAATGAAGAAAGATCATCAAGGAC 1896  
Qy 2075 CAGAACTCTGTGATCTGTTGGGGGCTGCTGCTGATCGACTGTGATCTGATCTGCTG 2134  
Db 1897 CAGAACTCTGTGATCTGTTGGGGGCTGCTGCTGATCGACTGTGATCTGATCTGCTG 1956  
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Qy 2195 GCAGGACGGATATCTCCATTCGCTCTCTGGAGCACTGTGAGAAACCCCATATGACC 2254  
Db 2017 GCAGGACGGATATCTCCATTCGCTCTCTGGAGCACTGTGAGAAACCCCATATGACC 2076  
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Db 2857 GTCAGCCCCCTGCTCAGCCCCACCGCCAGCCCCCGCCAGAGCATGTGCCACCTCTTTC 2916  
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Db 3217 ATATCAAACCT 3226

## RESULT 6

US-10-300-616-30  
; Sequence 30, Application US/10300616  
; Publication No. US20030082801A1  
; GENERAL INFORMATION:  
; APPLICANT: BARNES, ASHLEY A.  
; APPLICANT: WISE, ALAN  
; APPLICANT: MARSHALL, FIONA H.  
; APPLICANT: FRASER, NEIL J.  
; APPLICANT: WHITE, JULIE H. M.  
; APPLICANT: FOORD, STEVEN M.  
; TITLE OF INVENTION: NOVEL RECEPTOR  
; FILE REFERENCE: PG3558US2  
; CURRENT APPLICATION NUMBER: US/10/300,616  
; CURRENT FILING DATE: 2002-11-20



Qy	2273	TATGCCCTCAAGGGACTTCTCATGTTGTTGCGTTGTTTCTTAGCTTGGGAGACCCGCAAC	2332
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Qy	2333	GTACAGCATCCCGCAGCTCAACGACAGCAAGTACATCGGGATGAGTGCTACAACTGGGG	2392
Db	2041	GTACAGCATCCCGCAGCTCAACGACAGCAAGTACATCGGGATGAGTGCTACAACTGGGG	2100
Qy	2393	ATCATGTGCATCATCGGGGCGCTGTCTCTTCTGACCCGGGACACAGCCCAATGTGCAG	2452
Db	2101	ATCATGTGCATCATCGGGGCGCTGTCTCTTCTGACCCGGGACACAGCCCAATGTGCAG	2160
Qy	2453	TTCTGCATCTGGCTCTGGTGCATCATCTTCTGCAGCACCATCACTCTCCCTTGGTATTCT	2512
Db	2161	TTCTGCATCTGGCTCTGGTGCATCATCTTCTGCAGCACCATCACTCTCCCTTGGTATTCT	2220
Qy	2513	GTGCCAAGCTCATCACCTCTGAGAAACCCAGATGACAGCAACGCGAGAACAGGCGGATTC	2572
Db	2221	GTGCCAAGCTCATCACCTCTGAGAAACCCAGATGACAGCAACGCGAGAACAGGCGGATTC	2280
Qy	2573	CAGTTCACTCAGAAATCAGAAAGAAAGATTCTAAACGTCACCTCGGTCCACAGTGTG	2632
Db	2281	CAGTTCACTCAGAAATCAGAAAGAAAGATTCTAAACGTCACCTCGGTCCACAGTGTG	2340
Qy	2633	AACCAAGCCAGCACATCCCGCTCGAGGGGCTTACAGTCAGAAAAACCATCGCTTCCGAATG	2692
Db	2341	AACCAAGCCAGCACATCCCGCTCGAGGGGCTTACAGTCAGAAAAACCATCGCTTCCGAATG	2400
Qy	2693	AAGATCACAGAGCTGGATAAAGACTTTGGAAAGAGGTCAACATGACGTGCAAGGACACACCA	2752
Db	2401	AAGATCACAGAGCTGGATAAAGACTTTGGAAAGAGGTCAACATGACGTGCAAGGACACACCA	2460
Qy	2753	GAATAAGCACCTTACATTTAAACAGAACCACTTACCAAGAGCTCAATGACATCTCTCAACCTG	2812
Db	2461	GAATAAGCACCTTACATTTAAACAGAACCACTTACCAAGAGCTCAATGACATCTCTCAACCTG	2520
Qy	2813	GGAAACTTCACTGAGAGCAAGATGGAGGAAAGGCCATTTTAAAAATCACTTCGATCAA	2872
Db	2521	GGAAACTTCACTGAGAGCAAGATGGAGGAAAGGCCATTTTAAAAATCACTTCGATCAA	2580
Qy	2873	AATCCCAGCTCAGTGGAAACACAGAGCCCTCTCGAACATGCAAGATCCCTATAGAA	2932
Db	2581	AATCCCAGCTCAGTGGAAACACAGAGCCCTCTCGAACATGCAAGATCCCTATAGAA	2640
Qy	2933	GATATAAATCTCCAGAAACATCCAGCGTGGCTGTCCCTCCAGTCCCCATCTCTCCAC	2992
Db	2641	GATATAAATCTCCAGAAACATCCAGCGTGGCTGTCCCTCCAGTCCCCATCTCTCCAC	2700
Qy	2993	CAGCCTACCTCCCATCCATCGAGGGGTGGACGCCAGCTGTGTGACGCCCTCGCTCAGC	3052
Db	2701	CAGCCTACCTCCCATCCATCGAGGGGTGGACGCCAGCTGTGTGACGCCCTCGCTCAGC	2760
Qy	3053	CCCAACGCCAGCCCCGCCACAGACATGTGCCACCCCTCTTCCGAGTCATGGTCTCGGGC	3112
Db	2761	CCCAACGCCAGCCCCGCCACAGACATGTGCCACCCCTCTTCCGAGTCATGGTCTCGGGC	2820
Qy	3113	CTGTAA 3118	
Db	2821	CTGTAA 2826	

## RESULT. T 7

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US-09-818-879-46
:
RES001 /
:
: Sequence 46, Application US/09818879
: Patent No. US20010023289A1
: GENERAL INFORMATION:
: APPLICANT: Jones, Kenneth
: APPLICANT: Laz, Thomas
: APPLICANT: Borowsky, Beth
: TITLE OF INVENTION: DNA encoding a GABAAR2 polypeptide and uses thereof
: FILE REFERENCE: 1795/54002DA
: CURRENT APPLICATION NUMBER: US/09/818,879
: CURRENT FILING DATE: 2001-03-27
:

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[illegible]

1193 CGTGCTCGGAAAGAAATCTGCTTGTGCTGCCATGGAGGGCTACATTTGGCGTGGATTTTCGAG 1252  
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1253 CCCTCAGCTCCAAAGCAGATCAAGACCATCTCAGGAAAGACTCCACAGCAGATATGAGAGA 1312  
Db CCCTCAGCTCCAAAGCAGATCAAGACCATCTCAGGAAAGACTCCACAGCAGATATGAGAGA 1020  
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Db GAGTCAAAACAAAGCGGTGAGCGGTGAGGCGCCAGCAAGTTCCACGGGTACGCTACGAT 1080  
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1433 CGGCACACGGGATCCAGGACTTCAACTACACGGACACACGCTGGGCGAGGATCATCTTC 1492  
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1553 GAGAGAAATGGGACCAATTAATTTATCTCAATTTCAAGACAGCAGGAGGTGAAGTGGGA 1612  
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Db GAGTCAACCGCTGCGGACACACATGAGAGATCATCAATGACACCATCAGGTTCCAAAGGA 1380  
1673 TCCGAACCAACAAAGACAGACCATCATCTCTGGAGCAGCTGCGGAGATCTCCCTACCT 1732  
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1733 CTCTACAGCATCTCTGCGGCTCAGCATCTCGGAGTATGATGATGCGCAGTGTCTTCTC 1792  
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1793 TTCTTCAACATCAAGAACCGGAATCAGAAGCTCATAAAGATGTCGAGTCCATACATGAAC 1852  
Db TTCTTCAACATCAAGAACCGGAATCAGAAGCTCATAAAGATGTCGAGTCCATACATGAAC 1560  
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Db AACCTTATCATCTCTGGAGGATGCTTCTATGCTTCCATATTTCTTTGGCCTTGAT 1620  
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Db GGATCTCTTGTCTGTGAAAAGACCTTTGAAAACATTTTGCAACCGTCAAGGACCTGGATCTC 1680  
1973 ACCGTGGGCTACAGGACCGCTTTTGGGCCATGTTTGCAAGACCTGGAGGTCACGCC 2032  
Db ACCGTGGGCTACAGGACCGCTTTTGGGCCATGTTTGCAAGACCTGGAGGTCACGCC 1740  
2033 ATCTTCAAAAATGTGAAAATGAAAGAAAGATCATCAAGGACCAAGAACTGCTTGTGATC 2092  
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2153 CTGGAGGACAGTGGAGAGTACAGATGAGCGGACCCAGCAGGACCGGATATCTCC 2212  
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2213 ATCGGCCCTCTCTGGAGCACTGTGAGAACACCCATATGACCATCTGTGGCTTGGCATCGTC 2272  
Db ATCGGCCCTCTCTGGAGCACTGTGAGAACACCCATATGACCATCTGTGGCTTGGCATCGTC 1980

2273 TATGCTCAAGGGACTTCTCATGTGTTGTTGTTCTTACGTTGGGAGACCCGCAAC 2332  
Db TATGCTCAAGGGACTTCTCATGTGTTGTTGTTCTTACGTTGGGAGACCCGCAAC 2040  
2333 GTGAGCATCCCGCACTCAACGACAGCAAGTATACGCGGATGAGTGTCTAACAGTGGGG 2392  
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2393 ATCATGTGATCATCGGGCGCTGTCTCTTCTGACCCGGGACAGCCCAATGTGCAG 2452  
Db ATCATGTGATCATCGGGCGCTGTCTCTTCTGACCCGGGACAGCCCAATGTGCAG 2160  
2453 TTCTGATCGTGGCTCTGTGTCATCATCTTCTGACAGCACCATCACCTCTGCGCTGTGATTC 2512  
Db TTCTGATCGTGGCTCTGTGTCATCATCTTCTGACAGCACCATCACCTCTGCGCTGTGATTC 2220  
2513 GTGCGGAAGCTCATCACCTGTGAGAAACAAACCCAGATGACAGCAACGACAGAGGCGATTC 2572  
Db GTGCGGAAGCTCATCACCTGTGAGAAACAAACCCAGATGACAGCAACGACAGAGGCGATTC 2280  
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Db AAGATCACAGAGCTGGATAAAGACTTTGGAAGAGTCAACCATGAGTCAGAGCAGACACCA 2460  
2753 GAAAAGACCACTTACATTAACAGAACCACTACCAAGAGTCAATGACATCTCAACCTG 2812  
Db GAAAAGACCACTTACATTAACAGAACCACTACCAAGAGTCAATGACATCTCAACCTG 2520  
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Db CAGGCTACCTCCCATCCATCCAGGCGTGGACCGAGCTGTGTCAAGCCCTGCGTCAGC 2760  
3053 CCCACCGCAGCCCGCCGACACAGATGTGCCACCCCTCTCCGAGTCAATGTCTCGGGC 3112  
Db CCCACCGCAGCCCGCCGACACAGATGTGCCACCCCTCTCCGAGTCAATGTCTCGGGC 2820  
3113 CTGTAA 3118  
Db CTGTAA 2826

## RESULT 8

US-09-211-755B-46  
; Sequence 46, Application US/09211755B  
; Patent No. US20020045742A1  
; GENERAL INFORMATION:  
; APPLICANT: Kenneth A. Jones, Thomas M. Laz, Beth Borowsky  
; TITLE OF INVENTION: DNA Encoding a GABABR2 Polypeptide And Uses Thereof  
; FILE REFERENCE: 1795/54002-D  
; CURRENT APPLICATION NUMBER: US/09/211, 755B  
; CURRENT FILING DATE: 1998-12-15  
; PRIOR APPLICATION NUMBER: 09/186,664  
; PRIOR FILING DATE: 1998-11-04









[illegible]

## RESULT 10

US-10-211-462-70

US-10-211-462-70 : Sequence 70. Application US/10211462

; sequence '0, Application US/102  
; Publication No. US20040033495A1

: PUBLICATION NO: US200

APPLICANT: Murray, Richard

APPLICANT: Richard Glynn

APPLICANT: Watson, Susan R.

APPLICANT: Aziz, Natasha

APPLICANT: Eos Biotechnology, Inc.

**TITLE OF INVENTION: Methods of Diagnosis of Angiogenesis, Compositions and**

**TITLE OF INVENTION: Methods of Screening for Angiogenesis Modulators**

FILE REFERENCE: 018501-006200US

; CURRENT APPLICATION NUMBER: US/10/211,462

; CURRENT FILING DATE: 2003-02-13

; PRIOR APPLICATION NUMBER: US 09/784,356

; PRIOR FILING DATE: 2001-02-14  
 ; PRIOR APPLICATION NUMBER: US 09/791,390





1133 ATTCGGGCTGTAAGAGCCTTCTTGGTGGAGCAGGTGCACACGGAGCCAACTCATCC 1192  
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841 ATTCGGGCTGTAAGAGCCTTCTTGGTGGAGCAGGTGCACACGGAGCCAACTCATCC 900  
QY CGTGGCTCCGGAAAGAACTCTGCTTGCTGCCATGGAGGGCTACATTTGGCGTGGATTTTCGAG 1252  
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901 CGTGGCTCCGGAAAGAACTCTGCTTGCTGCCATGGAGGGCTACATTTGGCGTGGATTTTCGAG 960  
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Db CCCTGAGCTTCAAGCAGATCAAGAACCATCTCAGGAAAGACTCCACAGCAGATGAGAGA 1020  
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Db GTGGGGGATGCTGCTGATCGACCTGTGTATCTGATCTGCTGGCAGGCTGTGGACCCC 1860  
QY CTCGGAAGGACAGTGGAGAAAGTACAGATGAGCCCGACCCAGCAGGCGGATATCTCC 2212  
Db CTCGGAAGGACAGTGGAGAAAGTACAGATGAGCCCGACCCAGCAGGCGGATATCTCC 1920

2213 ATTCGGCCCTCTCTCGAGCACTGTGAGAACACCCCATATGACCATCTGGCTTGGCATCGTC 2272  
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QY CCCACCGCAGCCCGCCGACAGATGTGCCACCCCTCTCCGAGTGTATGTCTCGGGC 3112  
Db CCCACCGCAGCCCGCCGACAGATGTGCCACCCCTCTCCGAGTGTATGTCTCGGGC 2820  
QY CTGTAA 3118  
Db CTGTAA 2826

RESULT 12  
US-10-295-027-25  
; Sequence 25, Application US/10295027  
; Publication No. US200302350A1  
; GENERAL INFORMATION:  
; APPLICANT: Afar, Daniel  
; APPLICANT: Aziz, Natasha  
; APPLICANT: Ginsberg, Wendy M.





[illegible]

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	CGCACACGCGGATCCAGGACTTTCAACTACACGGACCACACGCTGGCGCAGGATCATCTCTC	1200
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1261	GAGAGAATGGGACCATTTAAATTTACTCAATTTCAAGACAGACGGAGGTCGAAGTGGGA	1320
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1321	GAGTACAAACGCTGTGCGGACACACTGTGAGATCATCAATGACACCAATCAGGTTCCAAAGGA	1380
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Qy	TATGCCCTAACAGGACCTTCTCATGTTGTCGGTGTGTTTCTTAGCTTTGGGAGACCCGCAAC	2332
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2041	GTGAGATCCCCGCATCTAACGACAGCAAGTACATCGGGATGAGTGTCTACACGCTGGGG	2100
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2101	ATCATGTGCATCATCGGGGCGCTGTCTCTCTGACCCGGACCAAGTGTGCAG	2160
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QY 2536 AACAAACCCAGATGACAGACGAGCAAGCGGATTTCCAGTTCACATCAGAATCAGAAGAA 2595
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QY 2776 GAACCACTACCAAGAGCTCAATGACATCTCTCAACCTGGGAAACTTTCATCTGAGAGCAG 2835
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RESULT 15  
US-09-826-508-25  
; Sequence 25, Application US/09826508  
; Patent No. US20010025099A1  
; GENERAL INFORMATION:  
; APPLICANT: Nabil Elshourbagy  
; APPLICANT: Lisa Vawter  
; TITLE OF INVENTION: G Protein-Coupled Receptor Polypeptides  
; TITLE OF INVENTION: and Polynucleotides  
; FILE REFERENCE: GP-70744USB  
; CURRENT APPLICATION NUMBER: US/09/826,508  
; CURRENT FILING DATE: 2001-04-05  
; NUMBER OF SEQ ID NOS: 40  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 25  
; LENGTH: 2700  
; TYPE: DNA  
; ORGANISM: HOMO SAPIENS  
US-09-826-508-25

Query Match 69.6%; Score 2423.4; DB 9; Length 2700;  
Best Local Similarity 92.4%; Pred. No. 0;  
Matches 2644; Conservative 0; Mismatches 16; Indels 201; Gaps 1;  
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Db 6 CCGTACCCCGGAGAGCTTGCACCATGCTTCCCGCGGAGCTCCGGGAGCCCGGGCC 65  
QY 328 GCCGCGCGCGCGCCACCGCGCGCTGCTACTGCTACTGCTGCTGCTGCTGCT 387

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186	Db		CAGCCCGCGCTCTCCATCATGGGCTCATGCGCTCACCAAGAGAGTGGCAAGGCGAG	245
508	Qy		CATCGGCGCGGTGTGTCTCCCGCGGTGGAACTGGCCATCGAGCAGATCCGCAACGAGTC	567
246	Db		CATCGGCGCGGTGTGTCTCCCGCGGTGGAACTGGCCATCGAGCAGATCCGCAACGAGTC	305
568	Qy		ACTCTGCGGCCCTACTCTCGACCTCGGCTCATGACACGAGTGCACACGCAAA	627
306	Db		ACTCTGCGGCCCTACTCTCGACCTCGGCTCATGACACGAGTGCACACGCAAA	365
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688	Qy		AGCGTCTGTCCAPCGTGCATCCATCATTTGCAGAGTCCCTCAAGGCTGGAACTCTGGT	747
426	Db		AGCGTCTGTCCATCCGTGCATCCATCATTTGCAGAGTCCCTCAAGGCTGGAACTCTGGT	485
748	Qy		GCAGCTTCTTTTGTCTGCAACCGCGCTGTCTAGCCGATAAGAAAAAATACCTTATTT	807
486	Db		GCAGCTTCTTTTGTCTGCAACCGCGCTGTCTAGCCGATAAGAAAAAATACCTTATTT	545
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546	Db		CTTTTCGACCGTCCATCAGACAATCGGTGAATCAGCCATTCGAAGTTGCTCAAGCA	605
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606	Db		CTACAGTGGAAAGCGGTGGCGACGCTGACGCAAGACGTTTCAGAGTTCCTCGAGTGGC	665
928	Qy		GAATGACCTGACTGAGTTCGTATGGGAGGACATTCAGATTTTCAGACACCGAGAGCTT	987
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726	Db		CTCCACGATCCCTGTACCGTGTCAAAAAGCTCAAGGGAACTGATGTCGGATCATCCT	785
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1168	Qy		GGTGCACACGGAACCAACTCATCCCGTGCCTCCGGAAGAACTGCTTGTGTCATGGA	1227
829	Db		GGTGCACACGGAACCAACTCATCCCGTGCCTCCGGAAGAACTGCTTGTGTCATGGA	828
1228	Qy		GGGCTACATTTGGCTGGATTTTCGAGCCCTGAGCTCCAAGCAGATCAAGACCATCTCAGG	1287
829	Db		GGGCTACATTTGGCTGGATTTTCGAGCCCTGAGCTCCAAGCAGATCAAGACCATCTCAGG	828
1288	Qy		AAGACTCCACAGAGTATGAGAGAGAGTACAAACAAGCGGTACGGCTGGGGCCCGAG	1347
829	Db	----	ACTCCACAGAGTATGAGAGAGAGTACAAACAAGCGGTACGGCTGGGGCCCGAG	884
1348	Qy		CAAGTTCACGGGTACGCTACGATGCGATCTCGGTTCATGCCAAGACACTTCGACAGGCG	1407
885	Db		CAAGTTCACGGGTACGCTACGATGCGATCTCGGTTCATGCCAAGACACTTCGACAGGCG	944
1408	Qy		CATGGAGACACTGTATGCCAGCAGCCGGCACACCGGATCCAGACTTCAACTACCGGA	1467

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Qy	1468	CCACACGCTGGCAGGATCATCTCTCAATGCATGAACAGACACCAACTTCTTCGGGGTCCAC	1527
Db	1005	CCACACGCTGGGCAGGATCATCTCTCAATGCATGAACAGACACCAACTTCTTCGGGGTCCAC	1064
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Db	1665	GATCTGCTGGCAGGCTGTGGACCCCTCGCAAGGACAGTGGAGAGTACAGCATGGAGCC	1724
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Db	1725	GGACCCAGCAGGAGGGATATCTCCATCCGCCCTCTCCTGGACACTGTGAGAACACCCA	1784
Qy	2248	TATGACCATCTGGCTTGGCATCTGCTATGCTTACAAGGACCTTCTCATGTGTTCGGTTG	2307
Db	1785	TATGACCATCTGGCTTGGCATCTGCTATGCTTACAAGGACCTTCTCATGTGTTCGGTTG	1844
Qy	2308	TTTCTTAGCTTTGGAGACCGCGAAAGTTCAGGATCCCGCGACTCAACGACAGCAAGTACAT	2367
Db	1845	TTTCTTAGCTTTGGAGACCGCGAAAGTTCAGGATCCCGCGACTCAACGACAGCAAGTACAT	1904
Qy	2368	CGGGATCAGTGTCTPACAAAGTGGGGATCATGTGATCATCTCGGGGCCCTGTCTCTTCCT	2427
Db	1905	CGGGATCAGTGTCTPACAAAGTGGGGATCATGTGATCATCTCGGGGCCCTGTCTCTTCCT	1964
Qy	2428	GACCCGGGACACAGCCCAATGTGCATCTGTGGCTCTGGTCAATCATCTTCTGCGAG	2487
Db	1965	GACCCGGGACACAGCCCAATGTGCATCTGTGGCTCTGGTCAATCATCTTCTGCGAG	2024
Qy	2488	CACCATCACCTCTGCGCTGGTATTTCGTGGCGGAGCTCATCACCTTGAGAACAAACCCAGA	2547
Db	2025	CACCATCACCTCTGCGCTGGTATTTCGTGGCGGAGCTCATCACCTTGAGAACAAACCCAGA	2084

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1141	Qy	 CGGCACACGCGGATCCAGGACTTCAACTACACGACCAACACGCTGGGCGAGATCATCCTC	1200
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2101	ATCATGTGCAT	CAATCGGGCCGCTGTCT	CTCTGATCCGGAGACCAAGTATGTCAG	2160
2101	ATCATGTGCAT	CAATCGGGCCGCTGTCT	CTCTGATCCGGAGACCAAGTATGTCAG	2160
2161	TTCTGCAT	CTGGCTCTGTTTCAT	CTCTCTGAGCACCATCAACCTCTGCTGGTATTC	2220
2161	TTCTGCAT	CTGGCTCTGTTTCAT	CTCTCTGAGCACCATCAACCTCTGCTGGTATTC	2220
2221	GTGCCAAGCT	CTACCCCTGAGAAC	AAAAACCCAGATGACAGCAACGAGCAACGCGCATTC	2280
2221	GTGCCAAGCT	CTACCCCTGAGAAC	AAAAACCCAGATGACAGCAACGAGCAACGCGCATTC	2280
2281	CAGTTCTCT	CAGAAATCAGAA	GAAGAAGATTCTAAACGTTCACCTCGTCCAGCTGTG	2340
2281	CAGTTCTCT	CAGAAATCAGAA	GAAGAAGATTCTCTAAACGTTCACCTCGTCCAGCTGTG	2340
2341	AACCAAGCAG	CATCCCGCCCTGGAGGG	CCCTACAGTTCAGAAACCATCCGCTGCGAATG	2400
2341	AACCAAGCAG	CATCCCGCCCTGGAGGG	CCCTACAGTTCAGAAACCATCCGCTGCGAATG	2400
2401	AAGATCACAG	CTGGATAAAGACTT	GGAGAGGTCAACATGACGCTGCAGGACACACCA	2460
2401	AAGATCACAG	CTGGATAAAGACTT	GGAGAGGTCAACATGACGCTGCAGGACACACCA	2460
2461	GAAAGACCA	CTTAAACAGAAC	CACTAACAAGAGTCAATGACATCTCTCAACCTG	2520
2461	GAAAGACCA	CTTAAACAGAAC	CACTAACAAGAGTCAATGACATCTCTCAACCTG	2520



|||||  
Db 822 GTACGCCCTACGATGGCATCTGGGTCATCGCGCAAGACACTCGAGGGCCATGAGACACT 881  
|||||  
Qy 1128 GCATGCCAGAGCGGGCACAGCGGATCCAGGACTTCAACTACACGAGACACACGCTGGG 1187  
|||||  
Db 882 GCATGCCAGAGCGGGCACAGCGGATCCAGGACTTCAACTACACGAGACACACGCTGGG 941  
|||||  
Qy 1188 CAGGATCATCTCAATGCCATGAACGAGACCAACTTCTCGGGGTCAACGGGTCAAGTTGT 1247  
Db 942 CAGGATCATCTCAATGCCATGAACGAGACCAACTTCTCGGGGTCAACGGGTCAAGTTGT 1001  
|||||  
Qy 1248 ATTCCGGAATGGGAGAGATGGGACCAATTAATTTACTCAATTTCAAGACAGCAGGGA 1307  
Db 1002 ATTCCGGAATGGGAGAGATGGGACCAATTAATTTACTCAATTTCAAGACAGCAGGGA 1061  
|||||  
Qy 1308 GGTCAAGGTGGGAGATGATGACCAACGCTGTGGCGGACACACTGGAGATCATCAATGACACCAT 1367  
Db 1062 GGTGAAGGTGGGAGATGATGACCAACGCTGTGGCGGACACACTGGAGATCATCAATGACACCAT 1121  
|||||  
Qy 1368 CAGGTTCCAAAGATCCGAACCCACCAAAAGACAAGACCATCATCTGGAGCAGCTGGGAA 1427  
Db 1122 CAGGTTCCAAAGATCCGAACCCACCAAAAGACAAGACCATCATCTGGAGCAGCTGGGAA 1181  
|||||  
Qy 1428 GATCTCCCTACCTCTCTACAGCATCTCTCTGCGCTCACCATCTCTGGGATGATCATGGC 1487  
Db 1182 GATCTCCCTACCTCTCTACAGCATCTCTCTGCGCTCACCATCTCTGGGATGATCATGGC 1241  
|||||  
Qy 1488 CAGTGTCTTTCTCTCTTCAACATCAAGAACCGGAATCAGAAGCTCATAAAGATGTCGAG 1547  
Db 1242 CAGTGTCTTTCTCTCTTCAACATCAAGAACCGGAATCAGAAGCTCATAAAGATGTCGAG 1301  
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Qy 1548 TCCATACATGAACCAACCTTATCATCTTGAGGAGTCTCTCTATGCTTCCATTTTCT 1607  
Db 1302 TCCATACATGAACCAACCTTATCATCTTGAGGAGTCTCTCTATGCTTCCATTTTCT 1361  
|||||  
Qy 1608 CTTTGGCTTGATGGATCTCTCTGTAAGAGACCTTTGAACACTTTTGACCGTCAG 1667  
Db 1362 CTTTGGCTTGATGGATCTCTCTGTAAGAGACCTTTGAACACTTTTGACCGTCAG 1421  
|||||  
Qy 1668 GACCTGGATTTCTACCGTGGGCTACAGACCGCTTTTGGGGCCATGTTTGAAGACCTG 1727  
Db 1422 GACCTGGATTTCTACCGTGGGCTACAGACCGCTTTTGGGGCCATGTTTGAAGACCTG 1481  
|||||  
Qy 1728 GAGAGTCCAGCCATCTTCAAAATGTGAAGATGAAGAGAGATCATCAAGACAGAA 1787  
Db 1482 GAGAGTCCAGCCATCTTCAAAATGTGAAGATGAAGAGAGATCATCAAGACAGAA 1541  
|||||  
Qy 1788 ACTGCTTGATCGTGGGGGCGATGCTGTCGACCTGTGTATCTCTGATCTGCTGGCA 1847  
Db 1542 ACTGCTTGATCGTGGGGGCGATGCTGTCGACCTGTGTATCTCTGATCTGCTGGCA 1601  
|||||  
Qy 1848 GGCTGTGGACCCCTGCGAAGGACAGTGGAGAAATCAGCATGGAGCGGACCCAGCAGG 1907  
Db 1602 GGCTGTGGACCCCTGCGAAGGACAGTGGAGAAATCAGCATGGAGCGGACCCAGCAGG 1661  
|||||  
Qy 1908 ACGGGATATCTCATCCGCTCTCTGAGAGCATGTGAGAACACCCATATGACATCTG 1967  
Db 1662 ACGGGATATCTCATCCGCTCTCTGAGAGCATGTGAGAACACCCATATGACATCTG 1721  
|||||  
Qy 1968 GCTTGGCATCGTCTATGCCATCAAGGACCTTCTCATGCTGTCGTTGTTTCTTAGCTTG 2027  
Db 1722 GCTTGGCATCGTCTATGCCATCAAGGACCTTCTCATGCTGTCGTTGTTTCTTAGCTTG 1781  
|||||  
Qy 2028 GGAGACCCGAACGTCAGCATCCCCGACCTCAACGACAGCAAGTACATCGGGATGAGTGT 2087  
Db 1782 GGAGACCCGAACGTCAGCATCCCCGACCTCAACGACAGCAAGTACATCGGGATGAGTGT 1841  
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Qy 2088 CTACAACGTGGGATCATGTGCATCATCGGGGCGCTCTCTCTTCTGACCCGGAGCCA 2147  
Db 1842 CTACAACGTGGGATCATGTGCATCATCGGGGCGCTCTCTCTTCTGACCCGGAGCCA 1901  
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Qy 2148 GCCCAATGTGAGTTCTGCACTGCTGGCTCTGGTCTCATCTCTTGACGACCATCACCT 2207  
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Db 1902 GCCCAATGTGAGTTCTGTCATCGTGGCTGTGTCATCATCTTCTGAGCACCATCACCT 1961  
Qy 2208 CTGCTGTGATTTCTGTCGCGAAGCTCATACCTGTGAGAACAAACCCAGATGCGAGCAACGCA 2267  
Db 1962 CTGCTGTGATTTCTGTCGCGAAGCTCATACCTGTGAGAACAAACCCAGATGCGAGCAACGCA 2021  
|||||  
Qy 2268 GAACAGGCGATTTCCAGTTCACTCAGATCAGAAAGAAAGATTTCTAAACCTGCCACCTC 2327  
Db 2022 GAACAGGCGATTTCCAGTTCACTCAGATCAGAAAGAAAGATTTCTAAACCTGCCACCTC 2081  
|||||  
Qy 2328 GGTCAACAGTGTGAACCAAGCCAGCACATCCCGCTCTGAGGGCCTACAGTCAGAAAAACA 2387  
Db 2082 GGTCAACAGTGTGAACCAAGCCAGCACATCCCGCTCTGAGGGCCTACAGTCAGAAAAACA 2141  
|||||  
Qy 2388 TGCCTTCCGAATGAAGATCAGAGCTGATGATTAAGACTTTGGAAGAGGTCAACATGAGCT 2447  
Db 2142 TGCCTTCCGAATGAAGATCAGAGCTGATGATTAAGACTTTGGAAGAGGTCAACATGAGCT 2201  
|||||  
Qy 2448 GCAGGACACACAGAAAAAGACCACTTACATTAACAGAACCACTACCAAGAGCTCAATGA 2507  
Db 2202 GCAGGACACACAGAAAAAGACCACTTACATTAACAGAACCACTACCAAGAGCTCAATGA 2261  
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Qy 2508 CATCTCAAACCTGGGAAACTTCACTGAGAGCAGATGGAGGAAAGGCCATTTTAAAAAA 2567  
Db 2262 CATCTCAAACCTGGGAAACTTCACTGAGAGCAGATGGAGGAAAGGCCATTTTAAAAAA 2321  
|||||  
Qy 2568 TCACCTCGATCAAAATCCCGAGCTCAGTGTGGAACACAAACAGAGCCCTCTCGAACATGCA 2627  
Db 2322 TCACCTCGATCAAAATCCCGAGCTCAGTGTGGAACACAAACAGAGCCCTCTCGAACATGCA 2381  
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Qy 2628 AGATCTTATAGAGATATAAATCTCTCCAGAACACATCCAGGCTCGGCTCTCCCTCCAGCT 2687  
Db 2382 AGATCTTATAGAGATATAAATCTCTCCAGAACACATCCAGGCTCGGCTCTCCCTCCAGCT 2441  
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Qy 2688 CCCCCTCTCCACCGCTTACCTCCATCCATCGAGGCTGGAGCGCCAGCTGTGTGAG 2747  
Db 2442 CCCCCTCTCCACCGCTTACCTCCATCCATCGAGGCTGGAGCGCCAGCTGTGTGAG 2501  
|||||  
Qy 2748 CCCCCTGTCAGCCCCACCGCCAGCCCCCGCCAGACATGTGCGACCTCTCTTCCAGT 2807  
Db 2502 CCCCCTGTCAGCCCCACCGCCAGCCCCCGCCAGACATGTGCGACCTCTCTTCCAGT 2561  
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Qy 2808 CATGCTCTCGGCTG 2823  
Db 2562 CATGCTCTCGGCTG 2577  
|||||

## RESULT 3

US-09-183-253-3  
; Sequence 3, Application US/09183253  
; Patent No. 6043054  
; GENERAL INFORMATION:  
; APPLICANT: VAWTER, LISA  
; APPLICANT: STAMMERS, MELANIE  
; TITLE OF INVENTION: NOVEL COMPOUNDS  
; NUMBER OF SEQUENCES: 4  
; CORRESPONDENCE ADDRESS:  
; ADDRESSEE: Ratner & Prestia  
; STREET: P.O. Box 980  
; CITY: Valley Forge  
; STATE: PA  
; COUNTRY: USA  
; ZIP: 19482  
; COMPUTER READABLE FORM:  
; MEDIUM TYPE: Diskette  
; COMPUTER: IBM Compatible  
; OPERATING SYSTEM: DOS  
; SOFTWARE: FastSeq for Windows Version 2.0  
; CURRENT APPLICATION DATA:  
; APPLICATION NUMBER: US/09/183,253  
; FILING DATE: 30-OCT-1998  
; CLASSIFICATION:  
; PRIOR APPLICATION DATA:



APPLICATION NUMBER: 9817907.0  
FILING DATE: 17-AUG-1998  
APPLICATION NUMBER: 60/075,306  
FILING DATE: 20-FEB-1998  
ATTORNEY/AGENT INFORMATION:  
NAME: Prestia, Paul F  
REGISTRATION NUMBER: 23,031  
REFERENCE/DOCKET NUMBER: GP-70395  
TELECOMMUNICATION INFORMATION:  
TELEPHONE: 610-407-0700  
TELEFAX: 610-407-0700  
TELEX: 846169  
INFORMATION FOR SEQ ID NO: 3:  
SEQUENCE CHARACTERISTICS:  
LENGTH: 1318 base pairs  
TYPE: nucleic acid  
STRANDEDNESS: single  
TOPOLOGY: linear  
MOLECULE TYPE: cDNA  
US-09-183-253-3

Query Match 45.0%; Score 1270.8; DB 3; Length 1318;  
Best Local Similarity 99.8%; Pred. No. 2.9e-284;  
Matches 1272; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

834 GTGATCATTCCTGGGCTGGTACGAGCCTTCTTGGTGGGAGCAGGTGCACACGGAAGCCAA 893  
6 GAGGATCATTCCTGGGCTGGTACGAGCCTTCTTGGTGGGAGCAGGTGCACACGGAAGCCAA 65  
894 CTCATCCCGTGTCTCCGGAAGAAATCTGTCTGTCCATGGAGGGCTACATGGCGTGA 953  
66 CTCATCCCGTGTCTCCGGAAGAAATCTGTCTGTCCATGGAGGGCTACATGGCGTGA 125  
954 TTTGAGCCCCCTGAGCTCCAGCAGATCAAGACCATCTCAGGAAGACTCCACAGCAGTA 1013  
126 TTTGAGCCCCCTGAGCTCCAGCAGATCAAGACCATCTCAGGAAGACTCCACAGCAGTA 185  
1014 TGAGAGAGAGTACAACAAGCGGTGAGCGTGGGGCCCGCAGCAAGTTCACGGGTACGC 1073  
186 TGAGAGAGAGTACAACAAGCGGTGAGCGTGGGGCCCGCAGCAAGTTCACGGGTACGC 245  
1074 CTACGATGGCATCTGGGTCTATGCCCAAGACACTGCAGAGGGCCATCGAGACACTGCATGC 1133  
246 CTACGATGGCATCTGGGTCTATGCCCAAGACACTGCAGAGGGCCATCGAGACACTGCATGC 305  
1134 CAGCAGCCGGCACACCGGATCAGGACTTCAACTACAGGACCAACACGCTGGGAGGAT 1193  
306 CAGCAGCCGGCACACCGGATCAGGACTTCAACTACAGGACCAACACGCTGGGAGGAT 365  
1194 CATCTCAATGCCATGAACGAGACCAACTTCTTGGGGTCAAGGTTCTATTCCG 1253  
366 CATCTCAATGCCATGAACGAGACCAACTTCTTGGGGTCAAGGTTCTATTCCG 425  
1254 GAATGGGGAGAGTGGGACCAATTAATTTACTCAATTTCAAGACAGCAGGAGGTGAA 1313  
426 GAATGGGGAGAGTGGGACCAATTAATTTACTCAATTTCAAGACAGCAGGAGGTGAA 485  
1314 GGTGGGAGAGTACAACGCTGTGGCCGACACACTGGAGATCATCAATGACACCATCAGGTT 1373  
486 GGTGGGAGAGTACAACGCTGTGGCCGACACACTGGAGATCATCAATGACACCATCAGGTT 545  
1374 CCAAGGATCCGACCAACCAAGACAGACCATCATCTGGAGCAGCTGGGAGATCTC 1433  
546 CCAAGGATCCGACCAACCAAGACAGACCATCATCTGGAGCAGCTGGGAGATCTC 605  
1434 CCTACCTCTCTACAGATCCTCTCTGCTCCCTCACCCTCCGAGATCATGTCAGGATGC 1493  
606 CCTACCTCTCTACAGATCCTCTCTGCTCCCTCACCCTCCGAGATCATGTCAGGATGC 665  
1494 TTTTCTCTTCTCAACATCAAGAACCGGAATCAGAGCTCATAAAGATGTGAGTCCATA 1553  
666 TTTTCTCTTCTCAACATCAAGAACCGGAATCAGAGCTCATAAAGATGTGAGTCCATA 725

1554 CATGAACCAACCTTATCATCCTTTGGAGGGATGCTCTCTATGTCTCCATATTTCTTTGG 1613  
726 CATGAACCAACCTTATCATCCTTTGGAGGGATGCTCTCTATGTCTCCATATTTCTTTGG 785  
1614 CTTTATGATGATCCTTTTGTCTCTGAAAGACCTTTTGAACACCTTTGGACCGTCAGGACCTG 1673  
786 CTTTATGATGATCCTTTTGTCTCTGAAAGACCTTTTGAACACCTTTGGACCGTCAGGACCTG 845  
1674 GATTCTCACCGTGGGCTACACGACCGCTTTTGGGGCCATGTTTGGAAAGACCTTTGGAGAGT 1733  
846 GATTCTCACCGTGGGCTACACGACCGCTTTTGGGGCCATGTTTGGAAAGACCTTTGGAGAGT 905  
1734 CCACGCCATCTTTCAAAAATGTGAAAATGAAGAAGAGATCATCAAGGACCAAGAACTGCT 1793  
906 CCACGCCATCTTTCAAAAATGTGAAAATGAAGAAGAGATCATCAAGGACCAAGAACTGCT 965  
1794 TGTGATCGTGGGGGCGATGCTCTGATCGACCTGTGTATCTCTGATCTGTGCGAGGCTGT 1853  
966 TGTGATCGTGGGGGCGATGCTCTGATCGACCTGTGTATCTCTGATCTGTGCGAGGCTGT 1025  
1854 GGACCCCTTGGGAAGGACAGTGGAGAAGTACAGCATGGAGCCGACCCACAGGACCGGA 1913  
1026 GGACCCCTTGGGAAGGACAGTGGAGAAGTACAGCATGGAGCCGACCCACAGGACCGGA 1085  
1914 TATCTCCATCCGCCCTCTCTCGAGACCTGTGAGAACACCCATATGACCATCTGGCTTG 1973  
1086 TATCTCCATCCGCCCTCTCTCGAGACCTGTGAGAACACCCATATGACCATCTGGCTTG 1145  
1974 CATGCTATGCTACAGGAGACTTCTCATGTTGTTGCGTGTCTTCTTACGCTTTGGAGAC 2033  
1146 CATGCTATGCTACAGGAGACTTCTCATGTTGTTGCGTGTCTTCTTACGCTTTGGAGAC 1205  
2034 CGCAACGTCAGCATCCCGCACTCAACGACAGCAAGTACATCGGATGAGTGTCTACAA 2093  
1206 CGCAACGTCAGCATCCCGCACTCAACGACAGCAAGTACATCGGATGAGTGTCTACAA 1265  
2094 CGTGGGGATCATGT 2107  
1266 CGTGGGGATCATCT 1279

RESULT 4

US-09-495-050A-192  
; Sequence 192, Application US/09495050A  
; Patent No. 6492505  
; GENERAL INFORMATION:  
; APPLICANT: Roopa, Reddy  
; APPLICANT: Guegler, Karl, J.  
; APPLICANT: Au-Young, Janice  
; TITLE OF INVENTION: COMPOSITION FOR DETECTION OF GENES ENCODING MEMBRANE-ASSOCIATED P  
; FILE REFERENCE: PA-0013 US  
; CURRENT APPLICATION NUMBER: US/09/495,050A  
; CURRENT FILING DATE: 2000-01-31  
; PRIOR APPLICATION NUMBER: 60/118,318  
; PRIOR FILING DATE: February 1, 1999  
; NUMBER OF SEQ ID NOS: 305  
; SOFTWARE: PERL Program  
; SEQ ID NO 192  
; LENGTH: 1171  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: misc\_feature  
; OTHER INFORMATION: Incyte ID No. 6492505 2170670CT1  
; NAME/KEY: unsure  
; LOCATION: 1115, 1121  
; OTHER INFORMATION: a, t, c, g, or other  
US-09-495-050A-192

Query Match 32.2%; Score 908.2; DB 4; Length 1171;  
Best Local Similarity 94.2%; Pred. No. 1.8e-200;  
Matches 998; Conservative 0; Mismatches 53; Indels 8; Gaps 5;

676 ATTTTCAGACACCGAGAGCTTCTCCAAAGATCCCTGACAGTCTCAAAAGAGCTGAAGGG 735  
52 ACTTCCAAAACCAAACTTTCACCAAGAACCTTGAAACAATGTAATAATACCAAA-AGA 110  
736 AATGATGTGGGGATCATCTCTGTGGCCAGTTTGACAGAAATATGCCAGAAAAGTTCTGT 795  
111 AATACTGTCCGAATCAACCTTGACCATTTTCCAGAAATAGACAGCAAAAATGCTCTGT 170  
796 TGTGCATACGAGAGAACATGTATGTAGTAAT-ATCAGTGAATCATTCGGGCTGGTA 854  
171 TGTGCATACGAGTCAACATGTATGTATGTAATAATCACAGTGGATCATTCGGGCTGGTA 230  
855 CGAGCCTTCTTGTGGGAGCAGGTGCACACGGAAGCAACTCATCCGCTGCCCTCGGAA 914  
231 CGAGCCTTCTTGTGGAGTAGTGACACGGAAGCAAACTCATCCGCTGCTTCCGAA 290  
915 GAATCTGCTTGTCCATGAGGGCTACATTTGCGTGGATTTTCGAGCCCTCGAGCTCCAA 974  
291 GAATCTGCTTGTCCATGAGGGCTAAATTTGCGTGGATTTTCGAGCCCTCGAGCTCCAA 350  
975 GCAGATCAAGACCATCTCAGGAAGAAGTCCACAGCAGTATGAGAGAGTACAAACAA 1034  
351 GCAGATCAAGACCATCTCAGGAAGAAGTCCACAGCAGTATGAGAGAGTACAAACAA 410  
1035 GCGGTGAGGGTGGGCCCCAGCAAGTTCCACGGGTAGCGTACGATGGGCATCTGGCTCAT 1094  
411 GCGGTGAGAGTGGGCCCCAGCAAGTTCCACGGGTAGCGTACGATGGGCATCTGGGTCT 470  
1095 CGCAAGACACATCTGAGAGGCCATGGAGACATCTGCATGCGCAGCGGACCGCAGCGGAT 1154  
471 CGCAAGACACATCTGAGAGGCCATGGAGACATCTGCATGCGCAGCGGACCGCAGCGGAT 530  
1155 CAGGACTTCAATACACGACACACAGCTGGGAGAGTATCTCAATGCGCATGAAACGA 1214  
531 CAGGACTTCAATACACGACACACAGCTGGGAGAGTATCTCAATGCGCATGAAACGA 590  
1215 GACCACTTCTTGGGGTACGGGTCAAGTTGTTATCCGGAATGGGAGAGATGGGAC 1274  
591 GACCACTTCTTGGGGTACGGGTCAAGTTGTTATCCGGAATGGGAGAGATGGGAC 650  
1275 CATTAATTTACTCAATTTCAAGACACGAGGAGGTGAAGTGGGAGAGTACAACTGT 1334  
651 CATTAATTTACTCAATTTCAAGACACGAGGAGGTGAAGTGGGAGAGTACAACTGT 710  
1335 GCGCGACACATGAGATCATATGACACCATCAGGTTCCAAAGATCCGAACCAAA 1394  
711 GCGCGACACATGAGATCATATGACACCATCAGGTTCCAAAGATCCGAACCAAA 770  
1395 AGACAGACCATCATCTGAGAGCAGCTGCGGAAGATCTCCCTACCTCTCTACAGCATCCT 1454  
771 AGACAGACCATCATCTGAGAGCAGCTGCGGAAGATCTCCCTACCTCTCTACAGCATCCT 830  
1455 CTCTGCCCTCACCATCTCTCGGATGATCATGGCAGTGTCTTCTTCTTCAACATCA 1514  
831 CTCTGCCCTCACCATCTCTCGGATGATCATGGCAGTGTCTTCTTCTTCAACATCA 890  
1515 GAACCGGAATCAGAGCTATAAAGATGTCAGTTCATATGAAACAACTTATATCCT 1574  
891 GAACCGGAATCAGAGCTATAAAGATGTCAGTTCATATGAAACAACTTATATCCT 950  
1575 TGGAGGATGCTCTCTCTATGCTTCCATTTCTTCTTGGCTTGATGGATCCTTCTCTC 1634  
951 TGGAGGATGCTCTCTCTATGCTTCCATTTCTTCTTGGCTTGATGGATCCTTCTCTC 1009  
1635 TGAAGAAGACCTTTGAACACTTTGACCCGTGAGACCTT-AGATTCTCACCGTGGGCT--- 1690  
1010 TGAAGAAGACCTTTGAACACTTTGACCCGTGAGACCTTGGATTCTCACCGTGGGCTTAC 1069  
1691 -ACAGACCGCTTTTGGGGCCATGTTTTCGAAGACCTGG 1728  
1070 ACGGACCGCTTTTGGGGCCATGTTTTCGAAGACCTGG 1108

RESULT 5  
US-09-422-936-52  
; Sequence 52, Application US/09422936  
; Patent No. 6465213  
; GENERAL INFORMATION:  
; APPLICANT: Ekstrand, Jonas  
; TITLE OF INVENTION: NEW NUCLEOTIDE SEQUENCES  
; FILE REFERENCE: 06275-165002  
; CURRENT APPLICATION NUMBER: US/09/422,936  
; PRIOR FILING DATE: 1999-10-22  
; PRIOR APPLICATION NUMBER: US 09/242,608  
; PRIOR FILING DATE: 1999-02-19  
; PRIOR APPLICATION NUMBER: PCT/SE98/01947  
; PRIOR FILING DATE: 1998-10-27  
; PRIOR APPLICATION NUMBER: SWEDEN 9703914-2  
; PRIOR FILING DATE: 1997-10-27  
; PRIOR APPLICATION NUMBER: SWEDEN 9800864-2  
; PRIOR FILING DATE: 1998-03-16  
; PRIOR APPLICATION NUMBER: SWEDEN 9802575-2  
; PRIOR FILING DATE: 1998-07-17  
; NUMBER OF SEQ ID NOS: 85  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 52  
; LENGTH: 2895  
; TYPE: DNA  
; ORGANISM: Canis familiaris  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (1)...(2892)  
US-09-422-936-52  
  
Query Match 12.3%; Score 347.2; DB 4; Length 2895;  
Best Local Similarity 50.1%; Pred. No. 1.1e-70; Indels 30; Gaps 5;  
Matches 1017; Conservative 0; Mismatches 983;  
  
QY 235 CCCGCGGTGGAAGTGGCCATCGACA---GATCCGCAACAGTCACTCTCTGCGCCCTAC 291  
Db 577 CCCGCGGTGGAATGGCGCTGGAGGACGTGAATAGCCGAGGACATCTCTCGGACTAC 636  
QY 292 TTCCTCGAGCTCGGCTCTATGACAGGAGTGGCAACGCAAAAGGTTGAAAGCTTC 351  
Db 637 GAGCTCAAGCTCATCCACCACGACGAAGTGTGACCCAGGCCAAGCTACCAAGTACCTG 696  
QY 352 TAGCATGCAATAAATACGGGCGGACCACTTGTAGTGGTGTGAGGCGCTCTGTCCATCC 411  
Db 697 TATGAAGTCTCTCAACAGCACCCCATCAAGATCATCCTCATGCTGG---CTGAGCTCT 753  
QY 412 GTCAATCATCATTTGACAGAGTCCCTCCAAAGGCTGGAATCTGTCAGCTTTCTTTTGT 471  
Db 754 GTCTCCACGCTTGTGGCTGAGGCTGCCAGGATGTGGAACCTCATTTGCTCTCTATGT 813  
QY 472 GCAACCAAGCTGTTCTAGCCGATAGAAAATACCTTATTTCTTCGAGCCGTCCTCA 531  
Db 814 TCCAGCTCACAGCTCTGTCCAAACCGGACGCGCTTCTTACCTTCTTCCGAACCTCATCC 873  
QY 532 TCAGCAATGCGGTGAATCCAGCCATTCGAAGTTCCTCAAGCACTACAGTGGAGCGC 591  
Db 874 TCGGCCACGCTCCCAACCCCTACGCGAGTGAAGTCTTTTGAAGTGGGGCTGGAGGAAG 933  
QY 592 GTGGGCACGCTGACGCAAGACGTTTCTGAGGTCTCTGAGGTGCGGAATGACCTGACTGA 651  
Db 934 ATTGCCACCATCCAGCAGACACCGAGGTGTTCAATCGACTTGAGACCTTAGAGGA 993  
QY 652 GTTCTGTATGGGAGGACATTCAGATTTTCAGACACGAGAGCTTCTTCCAAAGATCCCTGT 711  
Db 994 CGAGTGAAGAGGCTGGGATTGAGATTACTTTCCGCGAGAGCTTCTTCTCAGATCTCGC 1053  
QY 712 ACCAGTGTCAAAAGCTGAAGGGAATGATGCGGATCATCTTGGCCAGTTTTCAGCCAG 771  
Db 1054 GTGCTGTCAAGAACTTCAAGCGCCAGGATGCCGAATCATCTGGGACTTTTCTATGAG 1113  
QY 772 AATATGGCAGCAAAAGTGTCTGTGTGATACGAGGAGAACATGTATGTAGTAAATAT 831

Db 1114 ACTGAAGCCCGAAGAGTGTCTCTGAGGTATACAGAGCGGCTCTTTGGGAAGATAT 1173  
QY 832 CAGTGGATCAATCCGGGCTGTAGAGCTTCTTGGTGGAGCAGGTGCACACGGAAGCC 891  
Db 1174 GTGTGGTCTCTAATGGTGGTATGCTGACAATTTGGTCAAG-----ACCTACGAC 1224  
QY 892 AACTCATCCCGCTCCCGAAGAAATCTGCTTTGCTGCCATGGAGGGCTACATTTGGCGTG 951  
Db 1225 CCCTCCATCAACTGCACAGTGGATGAGTACCGGAGGCTGTGGAAGGCCACATCACCAC 1284  
QY 952 GATTTGAGCCCTGTAGCTTCAAGCAGATCAAGACCATCTCAGGAAGAACTCCACAGCAG 1011  
Db 1285 GAGATTTGTATGTGTAACCCAGCAACACCCGAGCATCTCCAAATGATCATCTCCAGGAG 1344  
QY 1012 TATGAGAGAGTACAAACA-----CAAGCGGTGAGGGGTGGGCCCCAGCAAGTTCCAC 1065  
Db 1345 TTTGTGGAGAACTGACCAAGAGACTCAAGAGACACCTGAGGAGACAGCGGCTTCCAG 1404  
QY 1066 GGTAAGCCCTACGATGGCATCTGGGTATCGCCCAAGACACTGCGAGGGGCCATGGAGACA 1125  
Db 1405 GAGGCACCGCTGACCTATGATGCCATCTGGGCCCTTGCCATTTGCCCTGAACAGACATCT 1464  
QY 1126 CTGCATGCCAGCAGCCGCGACACAGCGGATCCAGGACTTCACTACAGGACACACGCTG 1185  
Db 1465 GGAGGGAGCGCGCTTTCGGGGGTGCGCTGGAAGACTTCAACTACAAACACAGACGATC 1524  
QY 1186 GGCAGGATCATCTCAATGCCATGAACGAGACCAACTTCTTGGGGTCAAGGCTCAAGTT 1245  
Db 1525 ACAGACCAATCTACCGCGCAATGAATCTCTCTCTTTGAGGGTGTCTTGCCACGCTG 1584  
QY 1246 GTATTCGGAATGGGAGAGAAATGGGAGCACTTAAATTTACTCAATTTCAAGACAGCAGG 1305  
Db 1585 GTGTTTGTATGCCAGCGCTCACGGATGGCTGACTCTGATGAGCAGCTGCAGGGTGGC 1644  
QY 1306 GAGGTGAAGTGGAGAGTACACAGCTGTGTGGCGCACACCTGAGATCATCAATGACACC 1365  
Db 1645 AGCTACAAGAGATCGGCTACTATGACAGCACCAAGGATGACCTTTCTCTGCTTAAAGC 1704  
QY 1366 ATCAGGTTTCAAGGATCCGAAACCAACCAAGACCAACCATCTCTGGGAGCTGGCGG 1425  
Db 1705 GACAAATGGATGGAGGGGCCCCCGCGCGACAGACCTGTGTATCAAGACATTTGCG 1764  
QY 1426 AAGATCTCCCTACTCTCTACAGCATCTCTCTGCGCTCACCATCTCTGGGATGATCATG 1485  
Db 1765 TTATGTACAGAGCTCTCATTTAGTCTCTGCTCTCCAGCTGGCATTGCTCTG 1824  
QY 1486 GCCAGTCTTTCTCTTTTCAACATCAAGAACCGGAATCAGAACTCAATAAGATGTCG 1545  
Db 1825 GCTGTGTCTGTCTGCTCTTAACTTAACTCTACAACTCTCATGCTCGGTTTACATCCAGAACTCC 1884  
QY 1546 AGTCCATACATGAACCACTTATCTCTTGGAGGATGCTCTCTATGCTTCCATATTT 1605  
Db 1885 CAGCCCAACTTGAACAACTTGAATCTGCTGTGGGTGCTCTCCGATTTGGCTGCGCTTC 1944  
QY 1606 CTCTTTGGCTTGATGATCTTTGCTCTGTAAGAGACCTTTTGAACACACTTTGACCGTC 1665  
Db 1945 CCCTGGGGTAGATGGGTACACATCGGAGAGCCAGCTTTCTTTTGTGTGTCAGGCA 2004  
QY 1666 AGGACCTGGATTTCAACCGTGGCTACACAGCCGCTTTTGGGCGCAATGTTTGAAGACC 1725  
Db 2005 CGCTCTGGCTCTGGGTCTGGGCTTCAGTCTGGGCTATGGCTCCATGCTTACAGAAATC 2064  
QY 1726 TGAGAGTCAACGCGCATCTTCAAAATGTGAATGAGAA-----GAGATCATC 1776  
Db 2065 TGGTGGGTCCACACGGTCTTCACTAAGAGGAGGAGAAAGAGTGGAGGAAGACCCCTG 2124  
QY 1777 AAGGACCAGAAATCTGCTTGTGATCGTGGGGGATGCTGCTGATCGACCTGTGTATCCTG 1836  
Db 2125 GAGCCCTGGAAAGCTGTATACCAACAGTGGGCTTGTGTAGTGGGATGATGTCTCACTCT 2184  
QY 1837 ATCTGTGGCAGGCTGTGGACCCCTCGCAAGGACAGTGGAGAGTACAGCATGGAGCCG 1896  
Db 2185 GCCATTTGGCAGATGGTAGACCCCTTGACCGGACCATTGAGACTTTTGGCAAGGAGGAA 2244

QY 1897 GACCCAGCAGGACGGGATATCTCCATCGCCCTCTCTGAGCACTGTGAGAACACCCAT 1956  
Db 2245 CCAGAGGAGATATTGATGTGTCCATCTGCCCCAGCTGGAGCACTGCAGCTCCAAGAAA 2304  
QY 1957 ATGACCACTCTGGCTGGGATCGTCTATGCTTACAGAGCACTTCTCATGTTGTTGGTTGT 2016  
Db 2305 ATGAACACCTGGCTTGGCATTTTCTATGTTTCAAGGGGCTGCTGCTGCTAGGCATC 2364  
QY 2017 TTCTTAGCTTGGGAGACCGCAACGTCAGCATCCCGCACTCAAGACAGCAAGTACATC 2076  
Db 2365 TTTCTTGTCTTATGACCAAGAGCGTGTCTCTGAGAGATCAATGACCAACCGGCTGTG 2424  
QY 2077 GGGATCAGTGTCTACAACGCTGGGGATCATGTGCATCATCGGGGCGGCTGTCTCTTCTG 2136  
Db 2425 GGCATGGCAATGACACGTCGCGTCTGTGCTCATCACTGCCCCGCTACCATGATC 2484  
QY 2137 ACCCGGACACGCCAATGTGCAAGTCTGCACTGCTGGCTGTGTCATCATCTTCTGCAGC 2196  
Db 2485 CTGTCAGCGACGAGGATGCACTTTTCGCTTTGCACTCTTGGCATAGTGTCTCTCTCC 2544  
QY 2197 ACCATCACCTCTGCTGTGTTTCTGTCGGAAGCTCATCACCTGAGAAC 2246  
Db 2545 TACATCACTCTGCTGCTTCTGTTGCGGAAGATGCGCAGGTTGATCAC 2594

## RESULT 6

US-09-422-936-76  
; Sequence 76, Application US/09422936  
; Patent No. 6465213  
; GENERAL INFORMATION:  
; APPLICANT: Ekstrand, Jonas  
; TITLE OF INVENTION: NEW NUCLEOTIDE SEQUENCES  
; FILE REFERENCE: 06275-165002  
; CURRENT APPLICATION NUMBER: US/09/422,936  
; CURRENT FILING DATE: 1999-10-22  
; PRIOR APPLICATION NUMBER: US 09/242,608  
; PRIOR FILING DATE: 1999-02-19  
; PRIOR APPLICATION NUMBER: PCT/SE98/01947  
; PRIOR FILING DATE: 1998-10-27  
; PRIOR APPLICATION NUMBER: SWEDEN 9703914-2  
; PRIOR FILING DATE: 1997-10-27  
; PRIOR APPLICATION NUMBER: SWEDEN 9800864-2  
; PRIOR FILING DATE: 1998-03-16  
; PRIOR APPLICATION NUMBER: SWEDEN 9802575-2  
; PRIOR FILING DATE: 1998-07-17  
; NUMBER OF SEQ ID NOS: 85  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 76  
; LENGTH: 2661  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (1) ... (2658)  
US-09-422-936-76

Query Match 11.2%; Score 315.4; DB 4; Length 2661;  
Best Local Similarity 49.1%; Pred. No. 2.4e-63;  
Matches 999; Conservative 0; Mismatches 1006; Indels 30; Gaps 5;  
QY 230 TGCTCCCGCCCTGGAACTGGCATCGAGCA---GATCCGCAACGAGTCACTCTCTCGCC 286  
Db 338 TGTTTCCCGGTGGAGATGGCGTGGAGGACGTGATAGCCGCGGACATCTCTCCGG 397  
QY 287 CCTACTTCTCGACCTCGGCTCTATGACACGGAGTGCACACGCAAAAGGGTTGAAG 346  
Db 398 ACTATGAGCTCAAGCTCATCCACGACAGCAAGTGTGATCCAGGCCAAGCCCAAGT 457  
QY 347 CCTTCTACCATGCAATAAATACGGGCCGAAACCACTTGATGTTGTTGAGGCGTCTGC 406  
Db 458 ACCTATATGAGCTGCTCTACAACGACCTTATCAA---GATCATCTTATGCTGCTGCA 514





QY 2197 ACCATCACTCTGCTGGTATTCGTGCGCAAGCTCATACCTGAGAAC 2246  
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Db 2185 TATATCACTCTGTGTGCTCTTTGTGCCAAGATGCGCAGGCTGATCAC 2234  
|||||

RESULT 8

US-09-422-936-80  
; Sequence 80, Application US/09422936  
; Patent No. 6465213  
; GENERAL INFORMATION:  
; APPLICANT: Ekstrand, Jonas  
; TITLE OF INVENTION: NEW NUCLEOTIDE SEQUENCES  
; FILE REFERENCE: 06275-145002  
; CURRENT APPLICATION NUMBER: US/09/422,936  
; CURRENT FILING DATE: 1999-10-22  
; PRIOR APPLICATION NUMBER: US 09/242,608  
; PRIOR FILING DATE: 1999-02-19  
; PRIOR APPLICATION NUMBER: PCT/SE98/01947  
; PRIOR FILING DATE: 1998-10-27  
; PRIOR APPLICATION NUMBER: SWEDEN 9703914-2  
; PRIOR FILING DATE: 1997-10-27  
; PRIOR APPLICATION NUMBER: SWEDEN 9800864-2  
; PRIOR FILING DATE: 1998-03-16  
; PRIOR APPLICATION NUMBER: SWEDEN 9802575-2  
; PRIOR FILING DATE: 1998-07-17  
; NUMBER OF SEQ ID NOS: 89  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 80  
; LENGTH: 2602  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (1)...(315)  
US-09-422-936-80

Query Match 11.1%; Score 313.6; DB 4; Length 2602;  
Best Local Similarity 49.1%; Pred. No. 6.3e-63;  
Matches 996; Conservative 0; Mismatches 1004; Indels 30; Gaps 5;  
QY 235 CCCGCGTGAACTGGCCATCGAGCA--GATCGGCAAGAGTCACTCTCGGCGCCCTAC 291  
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Db 284 CCCGCGTGAGATGGCGCTGGAGGACGTGATAGCGGAGGACATCTCGCGGACTAT 343  
|||||  
QY 292 TTCTCGACCTGCGCTCTATAGACGGAGTGGCAACGCAAAAGGTTGAAAGCCTTC 351  
|||||  
Db 344 GAGCTCAAGCTCATCCACACGACAGCAAGTGTATCCAGGCCAAGCCAAAGTACCTA 403  
|||||  
QY 352 TAGATGCAATAAATACGGGCGGAACCACTTGATGGTGTGGAGGCGTCTGTCCATCC 411  
|||||  
Db 404 TATGAGCTGCTCTACAACGACCCATATCAA--GATCATCCTTATGCTGGCTGCACTCT 460  
|||||  
QY 412 GTCACATCCATATTCGAGAGTCCCTCCAAAGGCTGGAATCTGGTCAGACTTTCTTTGCT 471  
|||||  
Db 461 GTCTCAGCGTGGTGGCTGAGGCTGTAGATGTGAACCTCATTTGCTTTCTATGGC 520  
|||||  
QY 472 GCAACCAACGCTGCTTAGCGCGATAGAAAATAAGCTTTATTTCTTGGACCGTCCCA 531  
|||||  
Db 521 TCCAGCTCACCAGCTGTCAACCCGCGAGCGTTTCCCACTTTCTTCCGAAGCACCCA 580  
|||||  
QY 532 TCAGACATCCGGTGAATCCAGGCATTTGAAAGTTGCTCAAGCACTACCAAGTGAAGCGC 591  
|||||  
Db 581 TCAGCCACACTCCCAACCTTACCCGCGTGAACACTCTTTGAAAGTGGGCGTGAAGAAG 640  
|||||  
QY 592 GTGGGCAACGCTGAGCAAGAGCTTCAGAGGTTCTCTGAGTGGGGAATGACCTGACTGA 651  
|||||  
Db 641 ATTGCTACCAATCCAGACAGCACTGAGGTTCTTCACTTCGACTCTGACGACCTGGAGGAA 700  
|||||  
QY 652 GTTCTGTATGGCGGAGGACATTGAGATTTCAGACACCGAGAGCTTCTCCAAACGATCCCTGT 711  
|||||  
Db 701 CGAGTGAAGGAGGCTGGAATTGAGATTACTTTCCGCCAGAGTTTCTTCTCAGATCCAGCT 760  
|||||  
QY 712 ACCAGTGTCAAAAAGCTGAAGGGAATGATGTGGGATCATCTCTGGCCAGTTTGACCAG 771  
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Db 761 GTGCCCGTCAAAAACCTGAAGCGCCAGGATGCCGAATCATCTGTGGACTTTTCTATGAG 820  
|||||  
QY 772 AATATGGCAGCAAAAAGTGTCTGTGTGTCATACGAGGAGAAACATGTATGGTAGTAAATAT 831  
|||||  
Db 821 ACTGAAGCCCGGAAGTGTCTGTGAGGTGTACAGGAGCGTCTCTTTGGGAAGAGTAC 880  
|||||  
QY 832 CAGTGGATCATTTCCGGGCTGGTACGAGCCTTCTTGGTGGGAGCAGGTGCACACGGAAGCC 891  
|||||  
Db 881 GTCTGGTCTCATTTGGGTGGTATGCTGACAATTTGGTTCAAG-----ATCTACGAC 931  
|||||  
QY 892 AACTCATCCGCTGCTCCGGAAGATCTGCTTGTGCTGCATCGAGGGCTACATTTGGCGTG 951  
|||||  
Db 932 CCTTCTATCACTGCACAGTGGATGAGATGACTGAGGCGGTGGAGGGCCACATCACACT 991  
|||||  
QY 952 GATTTTCGAGCCCTGAGCTCCAAGCAGATCAAGACCATCTCAGGAAAGACTCCACAGCAG 1011  
|||||  
Db 992 GAGATTGTCTGATCTGNAATCTCCCAATACCCCGCAGCATTTCCAACTGACATCCAGGAA 1051  
|||||  
QY 1012 TATGAGAGAGATACAACAACAAGCGGTGAGCG-----GTGGGCCCCAGCAAGTTTCCAC 1065  
|||||  
Db 1052 TTTGTGGAGAAACTAAACCAAGCGACTGAAAGACACACCCCTGAGGAGACAGGAGCTTCCAG 1111  
|||||  
QY 1066 GGTAGCGCTACGATGGCATCTGGGTCTATCCGCAAGACACTTCGAGGGGCCATGAGACA 1125  
|||||  
Db 1112 GAGGCACCGCTGCGCTTATGANGCCATCTGGGCTTTGGCACTGGCCCTGAACCAAGACATCT 1171  
|||||  
QY 1126 CTGCATGCCAGCAGCGCGCACCCAGCGGATCCAGGACTTCAACTACACGACACACAGCTG 1185  
|||||  
Db 1172 GGAGAGGGCGCGTCTGGGTGCGCTGGAGGACTTCAACTACAAACACAGACCATTT 1231  
|||||  
QY 1186 GGCAGGATCATCTCAATGCCATGAACGAGACCAACTTCTTCCGGGTACCGGTTCAAAGTT 1245  
|||||  
Db 1232 ACCGACCAAACTACCGGSCAATGAACCTTCTGCTTGTAGGGGTGTCTCTGGCCATGTG 1291  
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QY 1246 GTATTCGGATGGGGAGAGATGGGGACCATTAATTTACTCAATTTCAAGACAGCAGG 1305  
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Db 1292 GTGTTTGATGCGAGCGGCTCTCGGATGGCATGGACGCTTATCGAGAGCTTCAGGCTGC 1351  
|||||  
QY 1306 GAGGTGAAGTGGGAGAGATACAACGCTGTGGCCGACACACTGGAGATCATCAATGACACC 1365  
|||||  
Db 1352 AGCTACAGAAGATTTGGTACTATGACAGCACCAAGGATGATCTTTCTGTGTTCCAAACA 1411  
|||||  
QY 1366 ATCAGGTTCCAGGATTCGGAACCAACAAAGACAGACCATCATCTGAGGAGCTGCGG 1425  
|||||  
Db 1412 GATAAATGATTGGAGGGTCCCCCGCAGCTGACAGACCCCTGGTCATCAAGACATTTCCGC 1471  
|||||  
QY 1426 AAGATCTCCCTACCTCTCTACAGCATCTCTCTGCGCTCACCATCTCTGGGATGATG 1485  
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Db 1472 TTCTGTGACAGAACTCTTTATCTCCGCTCTCAGTTCTCTCCAGCTTGGGCATTTGCTTA 1531  
|||||  
QY 1486 GCCAGTGTCTTCTCTTCAACATCAAGAACCGGAATCAGAAGCTCATAAAGATGTGCG 1545  
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Db 1532 GCTGTGTCTGTCTGCTTAACTTAACTTAACTTAACTTAACTTAACTTAACTTAACTTAA 1591  
|||||  
QY 1546 AGTCCATACATGAACAACTTATCATCTCTGAGGAGTGTCTCTCTATGTTTCCATATTT 1605  
|||||  
Db 1592 CAGCCCAACTGAAACAACTGACTGTGTGGGCTGTCTACTGGCTTTAGCTGTCTGTCTTC 1651  
|||||  
QY 1606 CTCTTTGGCTGTGATGGATCTCTTGTCTGTAAGACCTTTTGAACACTTTTGCACCGTC 1665  
|||||  
Db 1652 CCCCTGGGCTCGATGGTTACCAATGGGAGAACCAAGTTTCCTTTGCTGCGCAGGCC 1711  
|||||  
QY 1666 AGGACTGTGATTTCTCAACGCTGAGCTTACAGCGCTTTTGGGGCCATTTTGCACAGACC 1725  
|||||  
Db 1712 CGCTCTGCTCTGGGCTTGGGCTTTAGTCTGGGCTACGGTTCCATGTTTCCACAGATT 1771  
|||||  
QY 1726 TGGAGAGTCCAGCCATCTTCAAAAATGTGAAAAATGAAAGAAAGATCATCAAGGACC-- 1783  
|||||  
Db 1772 TGGTGGTCCACACGCTCTTCAAAAAGAGGAAAGAAAGAGAGTGGAGGAGAGTCTCTG 1831  
|||||  
QY 1784 -----AGAAACTGCTGTGATCGTGGGGGCGCTGCTGATCGACTGTGTATCTCTG 1836  
|||||

Db 1832 GAACCCCTGGAAGCTGTATGCCACAGTGGGCTCTGTGGGCGATGGATGTCTCACTCTC 1891  
Qy 1837 ATCTGCTGGCAGCTGTGGACCCCTCGGAAGACAGCTGAGAGTACAGCATGGAGCCG 1896  
Db 1892 GCATCTGGCAGATCTGGACCTCTGACCGGACCATTTGAGACATTTGCCAAGGAGAA 1951  
Qy 1897 GACCCAGCAGGACGGATATCTCCATCCGCTCTCTCTGGAGCATGTGAGAACACCCAT 1956  
Db 1952 CCTAAGAGATATTGAGCTCTCTATTCTGCCCCAGCTGGAGCATTTGCAGCTCCAGGAAG 2011  
Qy 1957 ATGACCATCTGGCTGGCATCTGTATGCCATACAGGGACTTCTCATGTGTCGTTGT 2016  
Db 2012 ATGAATACATGGCTTGGCATTTTCTATGTTTACAGGGGCTGCTGCTGCTGGGAATC 2071  
Qy 2017 TTCTTAGCTTGGGAGACCCGCAACGTCAGCATCCCGCATCAACAGCAGCAAGTACATC 2076  
Db 2072 TTCTTGTATTAGAGCAAGAGTGTCTCAGTGAAGATCAATGATCACCGGCTGTG 2131  
Qy 2077 GGATGAGTGTCTACAACTGGGGATCATGTGATCATCGGGCCGCTGTCTCTCTCTG 2136  
Db 2132 GGCATGGCTATCTACAAATGTGGCAGTCTGTGCTCATCACTGCTCTGTCACCATGAT 2191  
Qy 2137 ACCGGGACAGCCCAATGTGAGTCTGTGATCGTGGCTGTGATCATCTCTCTGTCAGC 2196  
Db 2192 CTGTCCAGCCAGCAGGATGAGCCTTTGCTTTGCTCTCTTGGCCATAGTTTCTCTCC 2251  
Qy 2197 ACCATCACCTCTGCTGTTGTTCTGTCGCGAAGCTCATCACCTGAGAAC 2246  
Db 2252 TATATCACTCTTGTGTCTTTGTGCCCAGATGCGCAGGCTGATCAC 2301

## RESULT 9

US-09-422-936-74  
; Sequence 74, Application US/09422936  
; Patent No. 6465213  
; GENERAL INFORMATION:  
; APPLICANT: Ekstrand, Jonas  
; TITLE OF INVENTION: NEW NUCLEOTIDE SEQUENCES  
; FILE REFERENCE: 06275-165002  
; CURRENT APPLICATION NUMBER: US/09/422,936  
; CURRENT FILING DATE: 1999-10-22  
; PRIOR APPLICATION NUMBER: US 09/242,608  
; PRIOR FILING DATE: 1999-02-19  
; PRIOR APPLICATION NUMBER: PCT/SE98/01947  
; PRIOR FILING DATE: 1998-10-27  
; PRIOR APPLICATION NUMBER: SWEDEN 9703914-2  
; PRIOR FILING DATE: 1997-10-27  
; PRIOR APPLICATION NUMBER: SWEDEN 9800864-2  
; PRIOR FILING DATE: 1998-03-16  
; PRIOR APPLICATION NUMBER: SWEDEN 9802575-2  
; PRIOR FILING DATE: 1998-07-17  
; NUMBER OF SEQ ID NOS: 85  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 74  
; LENGTH: 2679  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (1)... (2676)  
US-09-422-936-74

Query Match 11.1%; Score 313.6; DB 4; Length 2679;  
Best Local Similarity 49.1%; Pred. No. 6.4e-63;  
Matches 996; Conservative 0; Mismatches 1004; Indels 30; Gaps 5;  
Qy 235 CCCGCGTGAACCTGGCCATCGAGCA---GATCCGCAACGAGTCACTCTCGCCGCCCTAC 291  
Db 361 CCCGCGTGAAGATGGCGCTGGAGGACGTGAATAGCCGAGGACATCTCTCGCGACTAT 420  
Qy 292 TTCTCTGACCTGGGCTCTATGACAGGAGTGGGACAAACGAAAGGGTTGAAAGCCTTC 351  
Db 421 GAGCTCAAGCTCATCCACCACGACGCAAGTGTGATCCAGGCCAAGCCCAAGTACCTA 480

Qy 352 TACGATGCAATAAATAACGGGCCGAACCACTTGATGGTGTGTGGAGGCGTCTGTTCATCC 411  
Db 481 TATGAGCTGCTCTACACGACCCCTATCAA--GATCATCTTATGCTGCGTGCAGCTCT 537  
Qy 412 GTCAATCATCATTTGCGAGAGTCCCTCCAGGCTGGAATCTGGTGAGACTTCTTTTGTCT 471  
Db 538 GTCTCCACGCTGGTGGCTGAGGCTGCTAGGATGTGGAACCTCATTTGTGCTTCTATGGC 597  
Qy 472 GCAACACGCTGTTCTAGCCGATGAAGAAAATACCCCTTATTTCTTTTCGGACCGTCCCA 531  
Db 598 TCAGCTACACAGCCCTGTCAAACCGGCGAGCGTTTCCCCACCTTTCTTCGAAGCGACCCA 557  
Qy 532 TCAGCAATAGCGGTGAATCCAGCCATTTCTGAAGTTGCTCAAGCACTACACAGTGGAGCC 591  
Db 658 TCAGCCACACTCCACAACCCCTACCCCGGTGAATCTTTTGAAGAGTGGGGCTGGAAGAAG 717  
Qy 592 GTGGGACGCTACCGGAAGACGTTTCAAGGTTCTCTGAGGTGCGGAATGACCTGACTGA 551  
Db 718 ATTGCTACCATCCAGCAGACCACTGAGGTCTTCACTTCGACTCTGGACACCTGGAGGAA 777  
Qy 652 GTTCTGTATGGCGAGACATTCAGATTTTCAGACACCGAGAGCTTCTCCAACGATCCCTGT 711  
Db 778 CGAGTGAAGAGGCTGGAATGAGATTACTTTCCGCCAGAGTTTCTTCTCAGATCCAGCT 837  
Qy 712 ACCAGTGTCAAAAAGCTGAAGGGGAATGATGTCGGATCATCTTTGGCCAGTTTGAACAG 771  
Db 838 GTGCCCGTCAAAAACCTGAAGCGCCAGGATGCCGAATCATCTGGGACTTTTCTATGAG 897  
Qy 772 AATATGGCAGAAAAGTGTCTTGTGATACGAGGAGAACATGTATGTTAGTAAATAT 831  
Db 898 ACTGAAGCCCGGAAAAGTTTTTTGTGAGGTGTACAAGGAGCGTCTCTTTGGGAGAGTAC 957  
Qy 832 CAGTGAATCATTCGSGGCTGTAACGAGCCTTCTTGTGGGAGCAGGTGCACACGGAAGCC 891  
Db 958 GTCTGTTCTCATTTGGGTGGTATGCTGACAATTTGTTCAAG-----ATCTAGAC 1008  
Qy 892 AACTCATCCGCTGCTCTCCGGAAGAATCTGTTGTGCTGCCATGGAGGGCTACATTTGGCGTG 951  
Db 1009 CCTTCTATCACTGCACAGTGGATGATGATGACTGAGGCGGTGGAGGGCCACATCACACT 1068  
Qy 952 GATTTGAGAGCTTCTGAGCTTCAAGCAGATCAAGACCATCTCAGGAAAGACTTCCACAGCAG 1011  
Db 1069 GAGATTGTATGCTGAATCTCTGCAATACCCGAGCATTTTCCAACATGATCATCTCCAGGAA 1128  
Qy 1012 TATGAGAGAGTACAAACAAGCGGTTCAGC-----GTGGGCCCCAGCAAGTTCCAC 1065  
Db 1129 TTTGTGGAGAAACTAACCAAGCGACTGAAGAGACACCTTGAGGAGACAGGAGGCTTCCAG 1188  
Qy 1066 GGGTACGCTACGATGGCATCTGGGTCTATCGCCAAAGACACTGCAGAGGGCCATGGAGACA 1125  
Db 1189 GAGGCACCGCTGCGCTATGATGCCATCTGGGCTTGGCACTGGCCCTGAAACAAGACATCT 1248  
Qy 1126 CTGCATGCGAGCGCGGACCCAGCGGATCCAGGACTTCAACTACAGGACACACAGCTG 1185  
Db 1249 GGAGGAGCGGCGCTTCTGTTGCGGCTTGGAGGACTTCAACTACAAACACAGACATTT 1308  
Qy 1186 GGCAGGATCATCTCAATGCCATGAACGAGACCACTTCTCGGGGTACGGGTCAAGTT 1245  
Db 1309 ACCGACCAATCTACCGGCAATGAATCTTCTGTTGAGGGTGTCTCTTGCCCATGTG 1368  
Qy 1246 GTATTCCGGAATGGGGAGAGAAATGGGGACCATTTAAATTTTACTCAATTTTCAAGACAGCAGG 1305  
Db 1369 GTGTTTGTATGCGACGGCTCTCGGATGGATGGAACGCTTATCGAGCAGCTTTCAGGGTGGC 1428  
Qy 1306 GAGGTGAAGGTGGGAGAGTACAAACGCTGTGGCCGACACACTGAGAGATCATCAATGACACC 1365  
Db 1429 AGCTACAAAGATTTGGCTTACTATGACAGCAACCAAGGATGATCTTTCTGGTCCAAACA 1488  
Qy 1366 ATCAGGTTCCAGGATCCGAAACCAACAAAGACAGACCATCATCTTGAGCAGCTGGG 1425  
Db 1489 GATAAATGGATTGGAGGGTCCCCCCAGCTGCCAGACCCCTGGTCAATCAAGACATTTCCGC 1548







Db 1150 TTGTGGAGAACTAACCAAGCGACTGAAAGACACCCCTGAGGAGACAGGAGGCTTCCAG 1209  
QY 1066 GGGTACGCTTACGATGCGCTCTGGGTCACTGCCAAGACACTGTCAGAGGGCCATGGAGACA 1125  
Db 1210 GAGGACCGCTGCGCTATGATGCCATCTGGGCCCTTGGCACTGCGCCCTGAACAGACATCT 1269  
QY 1126 CTGCATGCCAGCAGCCGGCACACAGCGGATCCAGGACTTCAACTTACACGACCAACAGCGTG 1185  
Db 1270 GGAGGAGCGCGCGTCTGTGTGTCGCTGGAGGACTTCAACTTCAACAACACAGCAAT 1329  
QY 1186 GGAGGATCATCTCTCAATGCCATGAGGAGACCAACTTCTCGGGGTACGGGTCAAGTT 1245  
Db 1330 ACCGACCAATCTACCGGGCAATGAACTCTTCGCTTTGAGGGTGTCTGGCCCATGTG 1389  
QY 1246 GTATTCGGGAATGGGAGAAATGGGAGCACTTAAATTTACTCAAATTTCAAGACACAGG 1305  
Db 1390 GTGTTTGATGCGAGCGGCTCGGATGGCATGAGACGCTTATCGAGCAGCTTCAGGTGGC 1449  
QY 1306 GAGGTGAAGTGGGAGAGTACAAAGCTGTGGCCGACACACTGGAGATCATCAATGACACC 1365  
Db 1450 AGCTACAAGAAGATTGGCTACTATGACAGCACCAAGGATGATCTTCTCGTCCAAACA 1509  
QY 1366 ATCAGGTTCCAGGATCCGACACCAACAAAGACAGACCACTATCTGGAGCAGCTGGCG 1425  
Db 1510 GATAAATGGATTGGAGGGTCCCCCAGCTGACACAGCCCTGGTCTATCAAGACATTCGCG 1569  
QY 1426 AAGATCTCCCTACCTCTACAGCATCTCTCTGCGCTCACCATCTCGGGATGATCATG 1485  
Db 1570 TTCCTGTACAGAACTCTTTATCTCGCTCTAGTTCTCTCCAGCTTGGCATTTGCTTA 1629  
QY 1486 GCCAGTGTCTTCTTCTTCAACATCAAGAACCGGAATCAGAAGCTCATAAAGATGTCG 1545  
Db 1630 GCTGTTGTCTGTCTCTTTAACTATCAACTCTACATGTCGTTATATCCAGAACTCA 1689  
QY 1546 AGTCCATATACGAACAACTTATCATCTTGGAGGATGCTCTCTATGTTCCATATTT 1605  
Db 1690 CAGCCCAACTGAACAACTGACTGCTGTGGGCTGCTCACTGCTTTAGCTGTCTCTTC 1749  
QY 1606 CTCTTTGGCTTCAATGATGCTTTGTCTCTGAAAGACCTTTGAAACACTTTGACCGTC 1665  
Db 1750 CCCTGGGCTGATGTTTACCATTTGGAGGACCAAGTTTCTTCTGTCTGCCAGGCC 1809  
QY 1666 AGGACCTGGATTCTACCGTGGGCTACAGACCGCTTTTGGGCCCATTTTGCAGAGACC 1725  
Db 1810 CGCTCTGGCTCTCTGGGCTTGGGCTTTAGTCTGGGCTACGTTTCCATGTTCCAGAGAT 1869  
QY 1726 TGGAGATCCAGCCCATCTTCAAAATGTGAAATGAAGAAGATCATCAAGAGACC-- 1783  
Db 1870 TGGTGGGTCACACGGTCTTTCACAAAGAGGAAAGAAAGAGGATGGAGGAAGACTCTG 1929  
QY 1784 -----AGAACTGCTTGTGATCGTGGGGGATGCTGCTGATCGACCTGTATCTCTG 1836  
Db 1930 GAACCTTGAAGCTGTATGCCACAGTGGGCTGCTGGTGGGCATGATGTCTCTACTCTC 1989  
QY 1837 ATCTGTGGCAGGCTGTGGACCCCTTGCAGAGGACAGTGGAGAGTACAGCATGGAGCCG 1896  
Db 1990 GCATCTGGCAGATCGTGGACCTCTGCACCGACCATTTGAGACATTTGCCAAGAGGAA 2049  
QY 1897 GACCCAGCAGGAGCGGATATCTCCATCTCGCCCTCTCTCTGAGCACTGTGAGAACACCCAT 1956  
Db 2050 CCTAAGGAAGATATTGACGCTCTATTTCTGCCCCAGCTGGAGCATTTGCAGCTCCAGGA 2109  
QY 1957 ATGACCATCTGGCTGGCATCTGCTATGCTTACAGGAGCTTCTCATGTTGTTCGGTTGT 2016  
Db 2110 ATGAATACATGCTGGCTATTTCTATGTTTACAGGGGCTGCTGCTGTCTGGAATC 2169  
QY 2017 TTCTTAGCTTGGAGACCCGCAACGTCAGCATCCCGCACTCAACGACAGCAAGTACATC 2076  
Db 2170 TTCTTGTCTTATGAGACCAAGATGTGTCCACTGAGAAGATCAATGATCACCGGGCTGTG 2229  
QY 2077 GGGATGAGTGTCTACAACTGGGGATCATGTGATCATCTCGGGCCGCTGTCTCTCTCTG 2136  
Db 2230 GGCATGGCTATCTACAAATGTCGAGTCTCTGTGCTCTCATCTGCTCTCTCTGCTCCTGAT 2289

QY 2137 ACCCGGAGACAGCCCAATGTGCAGTTTCTGCATCGTGGCTCTGTGTCATCTTCTCTCAGC 2196  
Db 2290 CTGTCCAGCAGAGGATGAGCCCTTGGCTTTCCTCTCTTGGCCATAGTTTCTCTCTCC 2349  
QY 2197 ACCATCACCTCTGCTGGTATTCGTGCGGAAGCTCATCACCTTGAGAAC 2246  
Db 2350 TATATCACTCTTGTGTGCTCTTGTGCCCCAAGATGCGCAGGCTGATCAC 2399

## RESULT 11

US-09-422-936-48  
; Sequence 48, Application US/09422936  
; Patent No. 6465213  
; GENERAL INFORMATION:  
; APPLICANT: Ekselrand, Jonas  
; TITLE OF INVENTION: NEW NUCLEOTIDE SEQUENCES  
; FILE REFERENCE: 06275-165002  
; CURRENT APPLICATION NUMBER: US/09/422,936  
; CURRENT FILING DATE: 1999-10-22  
; PRIOR APPLICATION NUMBER: US 09/242,608  
; PRIOR FILING DATE: 1999-02-19  
; PRIOR APPLICATION NUMBER: PCT/SE98/01947  
; PRIOR FILING DATE: 1998-10-27  
; PRIOR APPLICATION NUMBER: SWEDEN 9703914-2  
; PRIOR FILING DATE: 1997-10-27  
; PRIOR APPLICATION NUMBER: SWEDEN 9800864-2  
; PRIOR FILING DATE: 1998-03-16  
; PRIOR APPLICATION NUMBER: SWEDEN 9802575-2  
; PRIOR FILING DATE: 1998-07-17  
; NUMBER OF SEQ ID NOS: 85  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 48  
; LENGTH: 2886  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
; FEATURE:  
; NAME/KEY: CDS  
; LOCATION: (1)...(2883)  
US-09-422-936-48

Query Match 11.1%; Score 313.6; DB 4; Length 2886;

Best Local Similarity 49.1%; Pred. No. 6.6e-63;

Matches 996; Conservative 0; Mismatches 1004; Indels 30; Gaps 5;

QY 235 CCCGCGTGGAACTGGCCATCGAGCA--GATCCGCAAGAGTCACTCTGCGGCCCTTAC 291  
Db 568 CCCGCGTGGAGATGGCGCTGGAGGACGTGAATAGCCGAGGACATCTGCGGACTAT 627  
QY 292 TTCTCTGACCTCGGCTCTATGACACGGAGTCGACAAAGGGTTGAAAGCCTTC 351  
Db 628 GAGCTCAAGCTCATCCACACGACAGCAAGTGTATCCAGGCCAAGCCACCAAGTACCTA 687  
QY 352 TAGCATGCAATAAAATACGGCGGAACCACTTGATGTGTTTGGAGGGCTGTGTCCATCC 411  
Db 688 TATGAGTGTCTCTACAAAGACCTTATCAA--GATCATCTTATGCTTGGCTGCACTCT 744  
QY 412 GTCAATCATCATTTGACAGAGTCCCTCCAGGCTGGAATCTGTCAGCTTTCTTTTGTCT 471  
Db 745 GTCTCCACGCTGGTGGCTGAGGCTGTAGGATGTGGAACTCATTTGTGTTTCTTATGCG 804  
QY 472 GCACACACGCTGTTCTAGCCGATTAAGAAAAATACCCCTTATTTCTTCGGACCGTCCCA 831  
Db 805 TCAGCTCACAGCCCTGTCAAACCGGACGCTTTCCCACTTTCTTCGAGGACACCA 864  
QY 532 TCAGCAATGCGGTGAATCCAGCCATTCTGAAGTTGCTCAAGCACTTACAGTGGAGCGC 591  
Db 865 TCAGCCACTCCACAAACCTACCCTGCGGTGAACCTTTGAAAGGTGGGCTGGAAGAAG 924  
QY 592 GTGGGACGCTGACGACAGACGTTTCAAGGTTCTCTGAGGTTCTCTGAGGTCGGGAATGACTGACTGA 651  
Db 925 ATTGTACCATCCAGCAGACCACTGAGGTCTTCACTTGTGCTCTGAGACGCTGGAGGAA 984



Db 3 GGGCCCGGGGGACCCCTGTATACCCAGTGGGGTGGCCGCTGCTCTTCTGCTGTGATGGC 62  
Qy 75 GCTACTGCTGCTGCGCTGCTGCTGCTGCTGCGCCGCGGGCTGGGGCTGGCGGGG 134  
Db 63 GGGTGGGGTGGCTCCGGTGGGGCTTCTACTCCCTCATCTCCCGGGCTCACCCGAG 122  
Qy 135 CGCCCCCGGCGCGCCAGCAGCCGCGCTCTCCATCATGGGCTCATGCGGCTCAC 194  
Db 123 GGTCCCCCGCACCCCTCTCTCAGAACGGCGTGCAGTATACATCGGGCGCTGTTCCCAT 182  
Qy 195 CAAGGAGTGGCCAGGGGAGCATCGGGCGGGTGTCTCCCGCGGTGGAACTGGCCAT 254  
Db 183 GAGCGGGGGTGGCGGGGGGCGAGGCTGCGAGCCCGGGTGGAGATGGCGTGGAGGA 242  
Qy 255 CGAGCAGATCCGCAACGCAAGTCACTCTGCGGCCCTTCTTCTCGACCTGGCGCTATGA 314  
Db 243 CGTTACAGCCGAGAGA --- CATCTCTCGGACTACGAGCTCAAGCTTATCCACCAGA 299  
Qy 315 CACGGAGTGGCAACGCAAGGGTTGAAAGCTTTCTAGATGCAATAAATAACGGGC 374  
Db 300 CAGCAAGTGTGACCCAGGGCAAGCCAGTACTTGTACGAACTACTCTACAATGACCC 359  
Qy 375 GAAACCACTGATGGTGTGGAGGCTGTGTCATCCGTGCATCATCATATGCGAGTC 434  
Db 360 CATCAAGATCATCTCATGCTGG --- CTGTAGTCTGTCTCCACACTTGTAGCTGAGC 416  
Qy 435 CCTCCAGGCTGAATCTGGTGCAGCTTCTTTTGTGCAACACAGCCCTGTTCTAGCCGA 494  
Db 417 TGCCCGGATGTGAACCTTATTTGTGCTCATATGGCTCAGTTCACCAAGCTTGTCAAA 476  
Qy 495 TAAGAAAAATACCTTATTTCTTCGGACCGTCCCATCAGACAAATGCGGTGAATCCAGC 554  
Db 477 CCGACAGCGGTTTCCACAGTCTTCCGAGCGATCCATCCGACACTCCACAAATCCAC 536  
Qy 555 CATTTGAAAGTGTCTCAAGCACTACAGTGGAAAGCGGTGGGCAACGCTGACGCAAGCGT 614  
Db 537 CCGGGTGAAGTCTTCCGAAAGTGGGGCTGGAAGAAAGATCGCTACCATCCACAGACCAC 596  
Qy 615 TCAGAGTCTCTGAGTGGGAAAGTACCTGACTGCGAGTCTGTATGGGAGGACATTGA 674  
Db 597 CGAGGTCTTCACTCAACGCTGATGACCTGGAGGAGCGAGTGAAGAGGCTGGGATCGA 656  
Qy 675 GATTTGACACACCGAGAGCTTCTCCAAAGATCCCTGTACAGTGTCCAAAGAGCTGAAGGG 734  
Db 657 GATCACTTCCGACAGAGTCTTCTTCGGATCCAGCTGCTGCTGTAAAGAACTGAAGCG 716  
Qy 735 GAATGATGCGGATCATCTTGGCCAGTTTGAACAGAAATATGGCAGCAAAAGTGTCTG 794  
Db 717 TCAAGATGCTCGAATCATCGTGGGACTTTTCTATGAGACGGAAGCCCGGAAAGTTTTTG 776  
Qy 795 TTGTGCATACGAGGAGACATGTATGTTAGTAAATATCAGTGAATCATTCGGGCTGTA 854  
Db 777 TGAGGTCTTATAGGAAGGCTTTTGGGAAGAAAGTACGCTGCTGCTCATCGGGTGGTA 836  
Qy 855 CGAGCCTTCTTGTGGGAGCAGGTGCACACGGAAGCCAACTCATCCCGCTGCCCTCCGGAA 914  
Db 837 TGTGACAACTGCTT-----TCAAGACTATGACCCGCTCAATCAATTGTACAGTGA 887  
Qy 915 GAATCTGCTTGTGCTGATGAGGGCTTACATTTGGCGTGGATTTTCGAGCCCTGAGCTCCAA 974  
Db 888 AGAAATGACCGAGGCGGTGGAGGGCCACATCACACGGAGATTGTCTGTGAACCCCTGC 947  
Qy 975 GCAGATCAAGACCATCTCAGGAAGACTCCACAGCAGTATGAGAGAGATGACAAACAA 1034  
Db 948 CAACACCCGAAGCATTTTCAACATGAGCTCACAGGAATTTGTGGAGAAACTAACCAAGCG 1007  
Qy 1035 GCGGTGAGG --- CGTGGGGCCAGCAAGTTTCCACGGGTACGCTACGATGGCATCTG 1088  
Db 1008 GCTGAAAAGACACCCGAGGAGACTGAGGCTTCCAGAGGACCACTGCGCTATGATGC 1067  
Qy 1089 GGTATCGCCAGACATGCGAGAGGCGCATGGAGACATGCTGATGCGAGCGCGGACCA 1148  
Db 1068 TATCTGGGCTTGGCTTTGGCTTTGAACAAGACGCTCTGGAGGAGGTGGTCTTCCGGCT 1127

Qy 1149 GGGATCCAGGACTTCAACTACACGACCAACAGCTGGGCGAGGATCATCTCAATGCCAT 1208  
Db 1128 GGGCTGGAGGACTTTAACTACAACACAGACCAATACAGACCAGATCTACCGGGCAT 1187  
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Qy 1269 GGGGACCATTAATTTACTCAATTTCAAGACAGCAGGAGGTGAAGTGGGAGAGTACAA 1328  
Db 1248 GATGGCATGGACACTTATCGAGCAGCTACAGGGCGCAGCTACAAGAAAGATCGGCTACTA 1307  
Qy 1329 CGCTGTGGCCGACACACTGGAGATCATCAATGACACCAATCAGGTTCCAAAGGATCCGAACC 1388  
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Qy 1389 ACAAAGACAAAGACCATCATCTGGAGCAGCTGGGAAAGATCTCCTACCTCTCTACAG 1448  
Db 1368 CCAGCTGACACAGACCTTGGTCAACAAGACATTCGGTTCTCTCAGAAAACCTCTTAT 1427  
Qy 1449 CATCTCTCTGCGCTCACCATCTCGGATGATCATGGCAGTGTCTTTCTCTCTTCAA 1508  
Db 1428 CTCGGTCTCAGTCTCTCCAGCTGGGCATGTCTTGTGTGTCTGTCTGTCTCTTAA 1487  
Qy 1509 CATCAAGAACCGGAATCAGAAGCTCATAAAGATGTCAGTCCATACATGAACAACTTAT 1568  
Db 1488 CATCTACAACCTCCAGCTTGTATATCCAGAACTCCAGCCCCAACCTGACAACTGTAC 1547  
Qy 1569 CATCTTGGAGGATGCTCTCTATGCTTCCATATTTCTTTTGGCTTTGATGATGATCTT 1628  
Db 1548 TCGTGTGGGCTGCTCACTGGCACTGGCTGTCTTCCCTCTCGGCTGGATGTTACCA 1607  
Qy 1629 TGTCTCTGAAAGACCTTTGAAACACTTTGACCGTACAGACCTGATGATCTCACCGTGG 1688  
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Qy 1689 CTACAGCAGCGCTTTTGGGCGCATGTTTGCAAAGACCTGAGAGTCCAGCCATCTTCAA 1748  
Db 1668 CTTTGTCTGGCTATGGCTCTATGTTTCAAGAGATCTGGTGGTCCACACAGTCTTAC 1727  
Qy 1749 AATGTGAAAATGAAGAA-----GAAGATCATCAAGGACCAAGAACTGCTGTGTAT 1799  
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Qy 1800 CGTGGGGGATGCTGCTGATCGACTGTGTATCTGATCTGCTGGCAGCTGTGACCC 1859  
Db 1788 TGTGGGCTGCTGCTGGGCAATGATGTCCTGACTCTTGGCATCTGGCAGATTTGGACCC 1847  
Qy 1860 CTTGCGAAGGACAGTGGAGAAGTACAGCATGAGCCGGACCCAGCAGGACGGGATATCTC 1919  
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Qy 1920 CATCGCCCTCTCTGAGGACACTGTGAGAACCCATATGACCATCTGCTGGCATCGT 1979  
Db 1908 CATCTGCCCCAGTTGGAGCACTGCAGCTCCAAAGAAATGAATACGTGCTTGGCATTTT 1967  
Qy 1980 CTATGCTCAAGGAGACTTCTCATGTTGTGCTGGTGTCTTCTAGCTTGGAGAGCCGCA 2039  
Db 1968 CTATGTTTCAAGGGGCTGCTGCTGCTGGGAAATCTTTTGTGTACGAAACCAAGAG 2027  
Qy 2040 CGTCAAGATCCCGCACTCAACGACAGCAAGTACATCGGATGAGTGTCTACAACTGGG 2099  
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Db 2159 ATGTCCTGACTCTTGCCATCTGGCAGATTGTGGACCCCTTGCACCGAAACCAATTGAGACTT 2218  
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Db 2219 TTGCCAAGGAGGAACCAAGGAAGACATCGATGTCTCCATTTCTGCCCCAGTTGGAGCACT 2278  
Qy 1943 GTGAGAACACCCATATGACCATCTGGCTTGGCATCTGTATGCTTACAAAGGAGACTTCTCA 2002  
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Db 2519 TCGTGTCTCTTCTTCTATCACTCTGTTGTGTCTTTTGTGCCAAGATGCGCAGGCTGA 2578  
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Db 2579 TCAC 2582

## RESULT 14

US-09-422-936-72

; Sequence 72, Application US/09422936

; Patent No. 6465213

; GENERAL INFORMATION:

; APPLICANT: Ekstrand, Jonas

; TITLE OF INVENTION: NEW NUCLEOTIDE SEQUENCES

; FILE REFERENCE: 06275-165002

; CURRENT APPLICATION NUMBER: US/09/422,936

; CURRENT FILING DATE: 1999-10-22

; PRIOR APPLICATION NUMBER: US 09/242,608

; PRIOR FILING DATE: 1999-02-19

; PRIOR APPLICATION NUMBER: PCT/SE98/01947

; PRIOR FILING DATE: 1998-10-27

; PRIOR APPLICATION NUMBER: SWEDEN 9703914-2

; PRIOR FILING DATE: 1997-10-27

; PRIOR APPLICATION NUMBER: SWEDEN 9800864-2

; PRIOR FILING DATE: 1998-03-16

; PRIOR APPLICATION NUMBER: SWEDEN 9802575-2

; PRIOR FILING DATE: 1998-07-17

; NUMBER OF SEQ ID NOS: 85

; SOFTWARE: FastSeq for Windows Version 4.0

; SEQ ID NO 72

; LENGTH: 2518

; TYPE: DNA

; ORGANISM: Homo sapiens

; FEATURE:

; NAME/KEY: CDS

; LOCATION: (1)...(291)

US-09-422-936-72

## Query Match

Best Local Similarity 10.9%; Score 307.2; DB 4; Length 2518;

Matches 921; Conservative 49.0%; Pred. No. 1.9e-61;

Mismatches 0; Mismatches 933; Indels 24; Gaps 3;

Qy 384 GATGTTGTTGGAGGCTGTCTCCATCCGTCCATCCATTCGACAGTCCCTCCAAAG 443

Db 349 GATCATCTTATGCCCTGGCTGAGCTCTGTCTCCAGCTGGTGGCTGAGGCTGCTAGGAT 408

Qy 444 CTGGAATCTGGTACGCTTTCTTTCTGCAACCAACCGCTGTTCTAGCCGATAAGAAAA 503

Db 409 GTGGAACCTCATTTGCTTTCTTCTTCTGCTCCAGCTCAACGAGCCCTGTCTCAACCGGCAAG 468

Qy 504 ATACCTTATTTCTTTTCGACCGTCCCATCAGCAATGCGTGAATCCAGCCATCTCTGAA 563  
Db 469 TTTCCCACTTTCTTTCCGAAACGACCCATCAGCCACACTCCACAACTTACCCCGGTGAA 528  
Qy 564 GTTGTCTAAGCACTACCAAGTGAAGCGCTGGGCAAGCTGAGCAAGAGCTTTAGAGGTT 623  
Db 529 ACTCTTTGAAAGTGGGGCTGGAAGAAATTTGCTACCATCCAGACAGCACTGAGGCTTT 588  
Qy 624 CTCTGAGGTGCGAATGACCTGACTGGAGTTCTGTATGCGGAGGACATTTGAGATTTTCA 683  
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Qy 684 CACCGAGAGCTTCTCCAAAGATCCCTGTACAGTGTCAAAAAGCTGAAGGGGAATCATGT 743  
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Qy 1098 CAAAGACACTGCAGAGGGCCATGAGACACTGTCATGCCAGCAGCGGACACAGCGGATCCA 1157  
Db 1060 CTTGGCACTGGCCCTGAACAAGACATCTGGAGGAGCGCGCGCTTCTGGTGTGCGCTGGA 1119  
Qy 1158 GGACTTTCAACTACAGGACCAACCGCTGGGAGGATTCATCTCAATGCCATGAAACGAGAC 1217  
Db 1120 GGACTTTCAACTACAAACCAACAGACCATTTACCGACCAAAATCTACCGGGCAATGAAC 1179  
Qy 1218 CAACTTTCTTGGGGTCAAGGTTGTAATTCGGAATGGGAGAGAAATGGGAGCAAT 1277  
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Qy 1278 TAAATTTACTCAATTTCAAGACAGCAGGAGGTGAAGGTGGGAGAGTACAACGCTGTGGC 1337  
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Qy 1338 CGACACACTGGAGATCATCAATGACACCATCAGGTTCCAGGATCGGAACCAACCAAGAA 1397  
Db 1300 CAAAGGATGATCTTTCTCGTCCAAAACAGATAAATGGATTTGGAGGGTCTCCCCCAGCTGA 1359  
Qy 1398 CAAAGACCATCATCTGGAGCAGCTCGGGAAGATCTCCCTACCTCTCTCAGCATCTCTC 1457  
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Qy 1458 TGCCCTCACCATCTCTGGGATGATCATGGCCAGTCTTTTCTCTTCTTCAACATCAAGAA 1517  
Db 1420 AGTTCTCTCCAGCTGGGCAATTTCTAGCTTGTGTGTCTGTCTCTTAAATCTTACAA 1479  
Qy 1518 CCGGAATCAGAGCTCATAAAGATGTCGAGTCCATACATGAACCAACCTTATCATCTCTGG 1577  
Db 1480 CTCATGTCGTTATATCCAGAACTCAGGCCAACCTGAAACCAACCTGACTGCTGTGGG 1539



Job time : 196.736 secs

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[illegible]

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Db	181	CTCATGCCGCTCACCAAGGAGGTGGCCAAAGGCGAGCATCGGCGCGGTGTCTCCCGCC	240
Qy	241	GTGGAACTTGGCCATCTGAGCAGATCCGCAACGAGTCACTCTTGGCGCCCTACTTCTCTCGAC	300
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Qy	301	CTCGGCTCTATGACACGGAGTCGACAAACGAAAGGTTGAAAGCCTTCTACGATGCA	360
Db	301	CTCGGCTCTATGACACGGAGTCGACAAACGAAAGGTTGAAAGCCTTCTACGATGCA	360
Qy	361	ATAAAATACGGGCGGAACCACTTGATGGTTTGGAGCGTCTGTTCATCCGTCACATCC	420
Db	361	ATAAAATACGGGCGTAACCACTTGATGGTTTGGAGCGTCTGTTCATCCGTCACATCC	420
Qy	421	ATCAATGCAGAGTCCCTTCCAAGGCTGGAATCTGTGTGAGCTTTCTTTGTGTCAACCAAG	480
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Qy	481	CCTGTTCTAGCCGTAAGAAAAATACCTTATTTCTTTCGGACCGTCCCATCAGACAAT	540
Db	481	CCTGTTCTAGCCGTAAGAAAAATACCTTATTTCTTTCGGACCGTCCCATCAGACAAT	540
Qy	541	CGGCTGAATCCAGTCATTTCTGAAGTTGCTCAAGCACTACCAAGTGGAGCGCGTGGGACG	600
Db	541	CGGCTGAATCCAGTCATTTCTGAAGTTGCTCAAGCACTACCAAGTGGAGCGCGTGGGACG	600
Qy	601	CTGACGCAAGACGTTTCAGAGGTTCTCTGAGGTGGGAATGACCTTGACTCGAGTTCTGTAT	660
Db	601	CTGACGCAAGACGTTTCAGAGGTTCTCTGAGGTGGGAATGACCTTGACTCGAGTTCTGTAT	660
Qy	661	GGCGAGGACATTTGAGATTTTCAGACACCGAGAGCTTCTTCCAACGATCCCTGTACCAAGTGC	720
Db	661	GGCGAGGACATTTGAGATTTTCAGACACCGAGAGCTTCTTCCAACGATCCCTGTACCAAGTGC	720
Qy	721	AAAAAGCTGAAGGGGAATGATGTGCGGATCATCTCTGGCCAGTTTGACCAAGATATGGCA	780
Db	721	AAAAAGCTGAAGGGGAATGATGTGCGGATCATCTCTGGCCAGTTTGACCAAGATATGGCA	780
Qy	781	GCAAAAGTGTCTGTGTGTCATACGAGAGAACATGTATGTTAGTAAATATCAGTGGATC	840
Db	781	GCAAAAGTGTCTGTGTGTCATACGAGAGAACATGTATGTTAGTAAATATCAGTGGATC	840
Qy	841	ATTCGGGCTGGTACGAGCCTTCTTGGTGGAGCAGGTGCAACGGAAGCCAATCATCC	900
Db	841	ATTCGGGCTGGTACGAGCCTTCTTGGTGGAGCAGGTGCAACGGAAGCCAATCATCC	900
Qy	901	CGCTGCTCCGGAAGATCTGCTGTGTCATGAGGGCTACATTTGGCGTGGATTTTCGAG	960
Db	901	CGCTGCTCCGGAAGATCTGCTGTGTCATGAGGGCTACATTTGGCGTGGATTTTCGAG	960
Qy	961	CCCCTGAGCTCCAGCAGATCAAGACCATCTCAGGAAGACTCCACAGCAGTATGAGAGA	1020
Db	961	CCCCTGAGCTCCAGCAGATCAAGACCATCTCAGGAAGACTCCACAGCAGTATGAGAGA	1020
Qy	1021	GAGTACAAACAAGCGGTACGGGCTGGGGCCACGAGCAAGTTTCCAAGGCTACGCCATCGAT	1080
Db	1021	GAGTACAAACAAGCGGTACGGGCTGGGGCCACGAGCAAGTTTCCAAGGCTACGCCATCGAT	1080
Qy	1081	GGCATCTGGGTCAACGCCAAGACACTGTGAGAGGCGCATGGAGACACTTGCAATGCCAGGAC	1140
Db	1081	GGCATCTGGGTCAACGCCAAGACACTGTGAGAGGCGCATGGAGACACTTGCAATGCCAGGAC	1140
Qy	1141	CGGCACAGCGGATCCAGGACTTCAACTACACGACCAACGCTTGGCAGGATCATCTCT	1200
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[illegible]



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Db 1297 CGGCACCGAGCGGATCCAGGACTTCAACTACACGGACACACGCTGGGCGAGGATCATCCTC 1356  
Qy 1201 AATGCCATGAACGAGACCAACTTCTTGGGGTCACGGGTCAAGTTGTATTCGGGAATGGG 1260  
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Qy 1261 GAGAGAAATGGGACCACTTAATTTACTCAATTTCAAGACAGCAGGAGGTGAAGTGGGA 1320  
Db 1417 GAGAGAAATGGGACCACTTAATTTACTCAATTTCAAGACAGCAGGAGGTGAAGTGGGA 1476  
Qy 1321 GAGTCAAAACGCTGTGGCCGACACACTGGAGATCATCAATGACACCAATCATAGGTTCCAAGGA 1380  
Db 1477 GAGTCAAAACGCTGTGGCCGACACACTGGAGATCATCAATGACACCAATCATAGGTTCCAAGGA 1536  
Qy 1381 TCCGAACCAACAAAGACAAGACCATCATCTGGAGCAGCTGCGGAAGATCTCCCTACCT 1440  
Db 1537 TCCGAACCAACAAAGACAAGACCATCATCTGGAGCAGCTGCGGAAGATCTCCCTACCT 1596  
Qy 1441 CTCTACAGATCTCTCTGGCCCTCACCATCTCGGATGATCATGGCCAGTGTCTTTCTC 1500  
Db 1597 CTCTACAGATCTCTCTGGCCCTCACCATCTCGGATGATCATGGCCAGTGTCTTTCTC 1656  
Qy 1501 TTCTTCAACATCAAGAACCGGAATCAGAAGCTCATAAAGATGTCGAGTCCATACATGAAC 1560  
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Qy 1561 AACCTTATCATCTTGGAGGATGCTCTCTATGCTTCCATATTTCTTTGGCCCTTGAT 1620  
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Qy 1621 GGATCTTTGCTCTGAAAGACCTTTGAAACACTTTTGACCGTCAGGACCTGGAATCTC 1680  
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Qy 1801 GTGGGGGCACTGCTGTATCGACCTGTGTATCTGTATCTGTGCGAGGCTGTGGACCCG 1860  
Db 1957 GTGGGGGCACTGCTGTATCGACCTGTGTATCTGTATCTGTGCGAGGCTGTGGACCCG 2016  
Qy 1861 CTGCGAAGGACAGTGGAGAAAGTACAGATGGAGCGCGACCCAGCAGACGGGATATCTCC 1920  
Db 2017 CTGCGAAGGACAGTGGAGAAAGTACAGATGGAGCGCGACCCAGCAGACGGGATATCTCC 2076  
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Db 2077 ATCGGCCCTCTCTGGAGCACTGTGAGAACCCATATGACCATCTGGCTTGGCATCTC 2136  
Qy 1981 TATGCTTACAAGGACCTTCTCATGTTGTTTGGTGTGTTTCTTACCTTGGGAGACCCGCAAC 2040  
Db 2137 TATGCTTACAAGGACCTTCTCATGTTGTTTGGTGTGTTTCTTACCTTGGGAGACCCGCAAC 2196  
Qy 2041 GTCAGCATCCCGGACTCAACGACAGAGTACATCGGGATGATGTCTACAAAGTGGGG 2100  
Db 2197 GTCAGCATCCCGGACTCAACGACAGCAATACATCGGGATGATGTCTACAAAGTGGGG 2256  
Qy 2101 ATCATGTGATCATCGGGCGGCTGTCTCTCTGACCCGAGACAGCCCATGTGCGAG 2160  
Db 2257 ATCATGTGATCATCGGGCGGCTGTCTCTCTGACCCGAGACAGCCCATGTGCGAG 2316  
Qy 2161 TTCTGATCTGTGGTCTGTGTCATCATCTTCTGACGACCATCATCCCTCTGCTGGTATTC 2220  
Db 2317 TTCTGATCTGTGGTCTGTGTCATCATCTTCTGACGACCATCATCCCTCTGCTGGTATTC 2376

Qy 2221 GTGCCGAAGCTCATCACTCCTTGAGAACAAACCCAGATGCGAAGAACGAGAACAGGCGGATTC 2280  
Db 2377 GTGCCGAAGCTCATCACTCCTTGAGAACAAACCCAGATGCGAAGAACGAGAACAGGCGGATTC 2436  
Qy 2281 CAGTTTCACTCAGAATCAGAAGAAAGAAATTTCTAAAAAGTCCACCTCGGTCAACAGTGTG 2340  
Db 2437 CAGTTTCACTCAGAATCAGAAGAAAGAAATTTCTAAAAAGTCCACCTCGGTCAACAGTGTG 2496  
Qy 2341 AACCAAGCCAGCACATCCGCTCGAGGCGCTTACAGTCAAGAAACCATCGCTCGGAATG 2400  
Db 2497 AACCAAGCCAGCACATCCGCTCGAGGCGCTTACAGTCAAGAAACCATCGCTCGGAATG 2556  
Qy 2401 AAGATCACAGACTGGATTAAGACTTGGAGAGGTCAACATGCAAGTGCAGTGCAGACACACCA 2460  
Db 2557 AAGATCACAGACTGGATTAAGACTTGGAGAGGTCAACATGCAAGTGCAGTGCAGACACACCA 2616  
Qy 2461 GAAAAGACCACCTTACATTAACAGAACCACTACCAAGAGCTCAATGACATCTCAACCTG 2520  
Db 2617 GAAAAGACCACCTTACATTAACAGAACCACTACCAAGAGCTCAATGACATCTCAACCTG 2676  
Qy 2521 GGAATCTTCACTGAGAGCACAGATGGAGAAAGGCCATTTTAAAAAATCACCTCGATCAA 2580  
Db 2677 GGAATCTTCACTGAGAGCACAGATGGAGAAAGGCCATTTTAAAAAATCACCTCGATCAA 2736  
Qy 2581 AATCCCGCAGTACAGTGGNACACAAACAGAGCCCTCTCGNACATGCAAGATCTTATAGAA 2640  
Db 2737 AATCCCGCAGTACAGTGGNACACAAACAGAGCCCTCTCGNACATGCAAGATCTTATAGAA 2796  
Qy 2641 GATATAAATCTTCCAGAACACATCCAGGCTGGCTTCCCTCCAGTCCCATCTCCAC 2700  
Db 2797 GATATAAATCTTCCAGAACACATCCAGGCTGGCTTCCCTCCAGTCCCATCTCCAC 2856  
Qy 2701 CACGCTTACTTCCCATCCATCGAGGCGGTGGACGCGTGTGTGACGCCCCCTGCGTCAGC 2760  
Db 2857 CACGCTTACTTCCCATCCATCGAGGCGGTGGACGCGTGTGTGACGCCCCCTGCGTCAGC 2916  
Qy 2761 CCCACGCGCAGCCCCCGCCACAGACATGCGCACCCCTCTCCGAGTCAATGCTCTCGGC 2820  
Db 2917 CCCACGCGCAGCCCCCGCCACAGACATGCGCACCCCTCTCCGAGTCAATGCTCTCGGC 2976  
Qy 2821 CTG 2823  
Db 2977 CTG 2979

## RESULT 3

US-10-188-832-11  
; Sequence 11, Application US/10188832  
; Publication No. US20040076955A1  
; GENERAL INFORMATION:  
; APPLICANT: Mack, David H.  
; APPLICANT: Aziz, Natasha  
; APPLICANT: Bos Biotechnology, Inc.  
; TITLE OF INVENTION: Methods of Diagnosis of Bladder Cancer, Compositions  
; TITLE OF INVENTION: and Methods of Screening for Modulators of Bladder  
; TITLE OF INVENTION: Cancer  
; FILE REFERENCE: 018501-002330US  
; CURRENT APPLICATION NUMBER: US/10/188,832  
; CURRENT FILING DATE: 2002-11-22  
; PRIOR APPLICATION NUMBER: US 60/302,814  
; PRIOR FILING DATE: 2001-07-03  
; PRIOR APPLICATION NUMBER: US 60/310,099  
; PRIOR FILING DATE: 2001-08-03  
; PRIOR APPLICATION NUMBER: US 60/343,705  
; PRIOR FILING DATE: 2001-11-08  
; PRIOR APPLICATION NUMBER: US 60/350,666  
; PRIOR FILING DATE: 2001-11-13  
; PRIOR APPLICATION NUMBER: US 60/372,246  
; PRIOR FILING DATE: 2002-04-12  
; NUMBER OF SEQ ID NOS: 207  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 11



[illegible]

## RESULT 4

```

US-09-818-879-46
; Sequence 46, Application US/09818879
; Patent No. US20010023289A1
; GENERAL INFORMATION:
; APPLICANT: Jones, Kenneth
; APPLICANT: Laz, Thomas
; APPLICANT: Borowsky, Beth
; TITLE OF INVENTION: DNA encoding a GABABR2 polypeptide and uses thereof
; FILE REFERENCE: 1795/540Q2DA
; CURRENT APPLICATION NUMBER: US/09/818,879
; CURRENT FILING DATE: 2001-03-27
; PRIOR APPLICATION NUMBER: US 09/211,755
; PRIOR FILING DATE: 1998-12-15
; NUMBER OF SEQ ID NOS: 55
; SOFTWARE: PatentIn version 3.0
; SEQ ID NO 46

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Qy	2101	ATCATGTGCATCATCGGGGCGGTGTCTCTTCTGACCCGGGACCAAGCCCAATGTGCAG	2160
Db	2101	ATCATGTGCATCATCGGGGCGGTGTCTCTTCTGACCCGGGACCAAGCCCAATGTGCAG	2160
Qy	2161	TTCTGCACTCGTGCTCTGTGCATCATCTTCTGAGCACCATCAACCTCTCGCTGGTATTTC	2220
Db	2161	TTCTGCACTCGTGCTCTGTGCATCATCTTCTGAGCACCATCAACCTCTCGCTGGTATTTC	2220
Qy	2221	GTGCCGAAGCTCATCACCTGAGAAACAAACCCAGATGCAGCAACGCAAGACAGCGCATTC	2280
Db	2221	GTGCCGAAGCTCATCACCTGAGAAACAAACCCAGATGCAGCAACGCAAGACAGCGCATTC	2280
Qy	2281	CAGTTCACTCAGAATCAGAAAGAAAGATTCTAAACCGTCCACCTCGGTCAACCGATG	2340
Db	2281	CAGTTCACTCAGAATCAGAAAGAAAGATTCTAAACCGTCCACCTCGGTCAACCGATG	2340
Qy	2341	AACCAAGCCAGCACATCCCGCTGGAGGGGCTACAGTCAGAAACCAATCCGCTGGCGAATG	2400
Db	2341	AACCAAGCCAGCACATCCCGCTGGAGGGGCTACAGTCAGAAACCAATCCGCTGGCGAATG	2400
Qy	2401	AAGATCACAGCTGGATAAGACTTTGGAGAGGTCACCATGAGCTGCAGGACACACCA	2460
Db	2401	AAGATCACAGCTGGATAAGACTTTGGAGAGGTCACCATGAGCTGCAGGACACACCA	2460
Qy	2461	GAAGAAGCACCTACATTTAAACAGAACCACTACCAAGAGCTCAATGACATCTCTCAACCTG	2520
Db	2461	GAAGAAGCACCTACATTTAAACAGAACCACTACCAAGAGCTCAATGACATCTCTCAACCTG	2520
Qy	2521	GGAACTTCACTGAGAGCACAGATGGAGGAAAGGCCATTTTAAAAATCACTCGATCAA	2580
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Qy	2581	AATCCCAGCTACAGTGGAAACACAACAGAGCCCTTCGAAACATGCAAAAGATCTCTAGAA	2640
Db	2581	AATCCCAGCTACAGTGGAAACACAACAGAGCCCTTCGAAACATGCAAAAGATCTCTAGAA	2640
Qy	2641	GATATAAACTCTCGAGAACACATCCAGCTGCGGTCTCCCTCCAGTCCCCATCTCTCCAC	2700
Db	2641	GATATAAACTCTCGAGAACACATCCAGCTGCGGTCTCCCTCCAGTCCCCATCTCTCCAC	2700
Qy	2701	CAGCCTTACCTCCATCCATCGAGGGCGTGGACCGCAGCTGTGTGACAGCCCTCGCTCAGC	2760
Db	2701	CAGCCTTACCTCCATCCATCGAGGGCGTGGACCGCAGCTGTGTGACAGCCCTCGCTCAGC	2760
Qy	2761	CCCAACCGCAGCCCCCGCCACAGACATGTGCCACCCCTCTTCCGAGTCAATGCTCGGGC	2820
Db	2761	CCCAACCGCAGCCCCCGCCACAGACATGTGCCACCCCTCTTCCGAGTCAATGCTCGGGC	2820
Qy	2821	CTG 2823	
Db	2821	CTG 2823	

## RESULT 6

```

RESULTS 6
US-09-793-139-46
; Sequence 46, Application US/097931139
; Patent No. US20020156265A1
; GENERAL INFORMATION:
; APPLICANT: Jones, Kenneth A
; TITLE OF INVENTION: DNA Encoding A GABA BR2 Polypeptide And Uses Thereof
; FILE REFERENCE: 54002eptus
; CURRENT APPLICATION NUMBER: US/09/793,139
; CURRENT FILING DATE: 2001-02-26
; NUMBER OF SEQ ID NOS: 55
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 46
; LENGTH: 2826
; TYPE: DNA
; ORGANISM: Homo Sapiens
US-09-793-139-46

```

Query Match 99.9%; Score 2819.8; DB 9; Length 2826;

	Best Local Similarity	99.9%;	Pred. No. 0;	Mismatches	2;	Indels	0;	Gaps	0;
	Matches	2821;	Conservative	0;					
Qy	1	ATGCTTCCCGGGAGCTCCGGCAGACCCCGGCCCGCGCGCGCACCGCGCCCC	60						
Db	1	ATGCTTCCCGGGAGCTCCGGCAGACCCCGGCCCGCGCGCGCACCGCGCCCC	60						
Qy	61	GC GGCGCTGTACTGTCTA CTGCTGTC GCGCTCTGCTGTGCGCCCGGGGCTTG	120						
Db	61	GC GGCGCTGTACTGTCTA CTGCTGTC GCGCTCTGCTGTGCGCCCGGGGCTTG	120						
Qy	121	GGCTGGCGGGGGCCCCCGCGCGCGCCAGCAGCCCGCGCTCTCCATCATGGGC	180						
Db	121	GGCTGGCGGGGGCCCCCGCGCGCGCCAGCAGCCCGCGCTCTCCATCATGGGC	180						
Qy	181	CTCATGCGGCTCA CCAAGGAGGTGGCCAAGGGCAGCATCGGGCGCGGTGTCTCCCGCC	240						
Db	181	CTCATGCGGCTCA CCAAGGAGGTGGCCAAGGGCAGCATCGGGCGCGGTGTCTCCCGCC	240						
Qy	241	GTGGAACTGCCATCTGAGCAGATCCGCAACGAGTCACTCTGTGCGCCCTACTTTCTCTGAC	300						
Db	241	GTGGAACTGCCATCTGAGCAGATCCGCAACGAGTCACTCTGTGCGCCCTACTTTCTCTGAC	300						
Qy	301	CTGGGCTCTATACACGGNGTCGACCAAGCAAAGGGTGAAGGCTTCTACGATGCA	360						
Db	301	CTGGGCTCTATACACGGNGTCGACCAAGCAAAGGGTGAAGGCTTCTACGATGCG	360						
Qy	361	ATAAAATACGGGCGGAACCACTTGATGGTGTGAGGGGTCTGTCCATCCGTCACATCC	420						
Db	361	ATAAAATACGGGCGGAACCACTTGATGGTGTGAGGGGTCTGTCCATCCGTCACATCC	420						
Qy	421	ATCATTTGCAGAGTCCCTCCAAAGGCTGGAATCTGGTGACGCTTTCTTTTGTGCAACCACG	480						
Db	421	ATCATTTGCAGAGTCCCTCCAAAGGCTGGAATCTGGTGACGCTTTCTTTTGTGCAACCACG	480						
Qy	481	CCTGTTCTAGCGATTAAGAAAAAATACCTTTATTTCTTTCGGACCGTCCCATCAGACAAT	540						
Db	481	CCTGTTCTAGCGATTAAGAAAAAATACCTTTATTTCTTTCGGACCGTCCCATCAGACAAT	540						
Qy	541	GC GGTGAATCCAGCCATTCTGAAGTTGCTCAAGCACTACCAGTGAAGCGCGTGGGACG	600						
Db	541	GC GGTGAATCCAGCCATTCTGAAGTTGCTCAAGCACTACCAGTGAAGCGCGTGGGACG	600						
Qy	601	CTGACCAAGACGTTCTCAGAGTTCTCTGAGGTGCGGAATGACCTGAGTTCGTAT	660						
Db	601	CTGACCAAGACGTTCTCAGAGTTCTCTGAGGTGCGGAATGACCTGAGTTCGTAT	660						
Qy	661	GGCGAGGACATTGAGATTTTCAGACCGAGAGCTTCTCCAACGATCCCTGTACCACTGTC	720						
Db	661	GGCGAGGACATTGAGATTTTCAGACCGAGAGCTTCTCCAACGATCCCTGTACCACTGTC	720						
Qy	721	AAAAAGCTGAAGGGGAATGATGTGCGGATCATCCTTTGGCCAGTTTCACCAAGAATATGGCA	780						
Db	721	AAAAAGCTGAAGGGGAATGATGTGCGGATCATCCTTTGGCCAGTTTCACCAAGAATATGGCA	780						
Qy	781	GCAAAAGTGTTCGTGTGTCATACGAGGAGAACATGTATGGTAGTAAATATCAGTGGATC	840						
Db	781	GCAAAAGTGTTCGTGTGTCATACGAGGAGAACATGTATGGTAGTAAATATCAGTGGATC	840						
Qy	841	ATTCCGGGCTGTPACGAGCTTCTTGGTGGGAGCAGGTGCAACGGAAGCCAACTCATCC	900						
Db	841	ATTCCGGGCTGTPACGAGCTTCTTGGTGGGAGCAGGTGCAACGGAAGCCAACTCATCC	900						
Qy	901	CGCTGCTCCGAGGAATCTGCTGTGTCATGGAGGGCTACATTCGGCTGGATTTTCGAG	960						
Db	901	CGCTGCTCCGAGGAATCTGCTGTGTCATGGAGGGCTACATTCGGCTGGATTTTCGAG	960						
Qy	961	CCCTCGAGTCCCAAGCAGATCAAGACCATCTCAGGAAAAGATCCACAGCAGTATGAGAGA	1020						
Db	961	CCCTCGAGTCCCAAGCAGATCAAGACCATCTCAGGAAAAGATCCACAGCAGTATGAGAGA	1020						
Qy	1021	GAGTACAACAAAGCGGTACGGCTGGGGCCCGACCAAGTTCCACGGGTACGCTACGAT	1080						

Db 1021 GAGTAAACAAAGCGGTGAGCGTGGGGCCAGCAAGTTCCACGGGTACGCTACGAT 1080  
Qy 1081 GGCAATCTGGGTCAATCGCAAGACACTGCGAGAGGGCCATGGAGACACTGCAATGCGCAGC 1140  
Db 1081 GGCAATCTGGGTCAATCGCAAGACACTGCGAGAGGGCCATGGAGACACTGCAATGCGCAGC 1140  
Qy 1141 CGGCACCGGGATCCAGGACTTCAACTACACGGACACACGCTGGGCGAGGATCATCCTC 1200  
Db 1141 CGGCACCGGGATCCAGGACTTCAACTACACGGACACACGCTGGGCGAGGATCATCCTC 1200  
Qy 1201 AATGCCATGAACGAGACCAACTTCTTCGGGGTCAACGGTCAAGTGTATTCGGGAATGGG 1260  
Db 1201 AATGCCATGAACGAGACCAACTTCTTCGGGGTCAACGGTCAAGTGTATTCGGGAATGGG 1260  
Qy 1261 GAGAGATGGGACCAATTAATTTAATCAATTTCAAGACAGCAGGAGGTGAAGTGGGA 1320  
Db 1261 GAGAGATGGGACCAATTAATTTAATTTAATTTCAAGACAGCAGGAGGTGAAGTGGGA 1320  
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Db 1321 GAGTAAACGCTTGGCGGACACACTGGAGATCATCAATGACACCATCAGTTTCCAAGGA 1380  
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Db 1381 TCCGAACCAACAAAGACAGACCATCATCTGGAGCAGCTGCGGAAGATCTCCCTACCT 1440  
Qy 1441 CTCTACAGCATCTCTCTGCCCCTCACCATCTCTCGGGATGATGCGCCAGTGTCTTTCTC 1500  
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Qy 1501 TTCTTCAACATCAAGAACCGGAATCAGAACCTATAAAGATGTCGATCCATACATGAAC 1560  
Db 1501 TTCTTCAACATCAAGAACCGGAATCAGAACCTATAAAGATGTCGATCCATACATGAAC 1560  
Qy 1561 AACCTTATCATCTCTGGAGGATGCTCTCTATGCTTCCATATTTCTTTGGCCCTTGAT 1620  
Db 1561 AACCTTATCATCTCTGGAGGATGCTTCTATGCTTCCATATTTCTTTGGCCCTTGAT 1620  
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Db 1621 GGATCCTTTGCTCTGAAAGACCTTTGAAACACTTTGCAACCTGAGGACCTGGATTTCTC 1680  
Qy 1681 ACCGTGGCTACAGCCGCTTTTGGGCCATGTTTGCAGAACCTGCGAGTCCACGCC 1740  
Db 1681 ACCGTGGCTACAGCCGCTTTTGGGCCATGTTTGCAGAACCTGCGAGTCCACGCC 1740  
Qy 1741 ATCTTCAAAAATGTGAAAATGAAAGAGAGATCATCAAGACCAAGAACTGCTTGTGATC 1800  
Db 1741 ATCTTCAAAAATGTGAAAATGAAAGAGAGATCATCAAGACCAAGAACTGCTTGTGATC 1800  
Qy 1801 GTGGGGGCATGCTGTGATCGACCTGTGTATCTGTATCTGTGGCAGGCTGTGGACCCC 1860  
Db 1801 GTGGGGGCATGCTGTGATCGACCTGTGTATCTGTATCTGTGGCAGGCTGTGGACCCC 1860  
Qy 1861 CTGGAGGACATGGAGAGTACAGCATGAGCCGACCCAGCAGGACGGGATATCTCC 1920  
Db 1861 CTGGAGGACATGGAGAGTACAGCATGAGCCGACCCAGCAGGACGGGATATCTCC 1920  
Qy 1921 ATCGCCCTCTCTGGAGCACTGTGAGAACACCATATGACCATCTGGCTTGGCATCGTC 1980  
Db 1921 ATCGCCCTCTCTGGAGCACTGTGAGAACACCATATGACCATCTGGCTTGGCATCGTC 1980  
Qy 1981 TATGCCCTACAAGGACCTTCTCATGTTTTCGGTGTGTTTCTAGCTTGGGAGACCCGCAAC 2040  
Db 1981 TATGCCCTACAAGGACCTTCTCATGTTTTCGGTGTGTTTCTAGCTTGGGAGACCCGCAAC 2040  
Qy 2041 GTGAGATCCCGGACTCAACGACAGCAAGTATATCGGGATGAGTGTCTACACAGTGGGG 2100  
Db 2041 GTGAGATCCCGGACTCAACGACAGCAAGTATATCGGGATGAGTGTCTACACAGTGGGG 2100  
Qy 2101 ATCATGTGCATCATCGGGGCGGCTGTCTCTTCTGACCCGGGACAGCCCAATGTGCAG 2160  
Db 2101 ATCATGTGCATCATCGGGGCGGCTGTCTCTTCTTCTGACCCGGGACAGCCCAATGTGCAG 2160

Qy 2161 TTCTGATCGTGGCTCTGTCATCATCTTCTGACGACCATCACCCCTGCTGCTGGTATTC 2220  
Db 2161 TTCTGATCGTGGCTCTGTCATCATCTTCTGACGACCATCACCCCTGCTGCTGGTATTC 2220  
Qy 2221 GTGCCGAAGCTCATCACCTCGAGAACAAACCCAGATGACAGCAACGAGCAAGCGGATTC 2280  
Db 2221 GTGCCGAAGCTCATCACCTCGAGAACAAACCCAGATGACAGCAACGAGCAAGCGGATTC 2280  
Qy 2281 CAGTTCACTCAGAAATCAGAAGAAAGAAATTTAAAAACGTCACCTCGGTCAACAGTGTG 2340  
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Db 2401 AAGATCACAGAGCTGATATAAGACTTTGGAAGAGGTCAACATGAGCTGAGGACACACCA 2460  
Qy 2461 GAAAAGACCACTTACATTAACAGAACCACTACCAAGAGCTCAATGACATCTCTCAACCTG 2520  
Db 2461 GAAAAGACCACTTACATTAACAGAACCACTACCAAGAGCTCAATGACATCTCTCAACCTG 2520  
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Db 2521 GAAAACCTTCACTGAGAGCAGATGGAGAAAGGCCATTTAAAAAATCACCTCGATCAA 2580  
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Db 2581 AATCCCGACCTACAGTGGAAACAAACAGAGCCCTCTCGAAACATGCAAGATCTCTATAGAA 2640  
Qy 2641 GATATAAACTCTCCAGAACATCCAGCTCGGCTGTCTCCAGCTCCCAATCTCTCCAC 2700  
Db 2641 GATATAAACTCTCCAGAACATCCAGCTCGGCTGTCTCCAGCTCCCAATCTCTCCAC 2700  
Qy 2701 CAGGCTACTCTCCATCCATCGAGCGGTGGAGCGGTGGAGCGGTGTCAGCCCTGCGTCAGC 2760  
Db 2701 CAGGCTACTCTCCATCCATCGAGCGGTGGAGCGGTGTCAGCCCTGCGTCAGC 2760  
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Db 2761 CCCACCGCAGCCCGCCGACACAGATGTGCCACCCCTCTCTCCGAGTCATGTCCTCGGC 2820  
Qy 2821 CTG 2823  
Db 2821 CTG 2823

## RESULT 7

US-10-211-462-70  
; Sequence 70, Application US/10211462  
; Publication No. US20040033495A1  
; GENERAL INFORMATION:  
; APPLICANT: Murray, Richard  
; APPLICANT: Glynn, Richard  
; APPLICANT: Watson, Susan R.  
; APPLICANT: Aziz, Natasha  
; APPLICANT: Ros Biotechnology, Inc.  
; TITLE OF INVENTION: Methods of Diagnosis of Angiogenesis, Compositions and  
; TITLE OF INVENTION: Methods of Screening for Angiogenesis Modulators  
; FILE REFERENCE: 018501-0062000S  
; CURRENT APPLICATION NUMBER: US/10/211,462  
; CURRENT FILING DATE: 2003-02-13  
; PRIOR APPLICATION NUMBER: US 09/784,356  
; PRIOR FILING DATE: 2001-02-14  
; PRIOR APPLICATION NUMBER: US 09/791,390  
; PRIOR FILING DATE: 2001-02-22  
; PRIOR APPLICATION NUMBER: US 60/310,025  
; PRIOR FILING DATE: 2001-08-03  
; PRIOR APPLICATION NUMBER: US 60/334,244  
; PRIOR FILING DATE: 2001-11-29



Db 1981 TATGCTACAGGACTTCTCATGTTGTTCCGTTGTTTCTTAGCTGGGAGACCCGCAAC 2040  
Qy 2041 GTGAGCATCCCCACTCAACGACAGCAAGTACATCGGGATGAGTGTCTACAAACGTGGGG 2100  
Db 2041 GTGAGCATCCCCACTCAACGACAGCAAGTACATCGGGATGAGTGTCTACAAACGTGGGG 2100  
Qy 2101 ATCATGTGCATCATCGGGGCGGTGTCTCTCTTCTGACCGGACACCGCCCAATGTGCAG 2160  
Db 2101 ATCATGTGCATCATCGGGGCGGTGTCTCTCTTCTGACCGGACACCGCCCAATGTGCAG 2160  
Qy 2161 TTCTGATCGTGGTCTCTGGTTCATCATCTCTGACGACCATCAACCTCTGCTGCTGATTC 2220  
Db 2161 TTCTGATCGTGGTCTCTGGTTCATCATCTCTGACGACCATCAACCTCTGCTGCTGATTC 2220  
Qy 2221 GTCCGGAAGCTCATCCCTTGAGAACAAACCCAGATGCGAACACGAGCGGATTC 2280  
Db 2221 GTCCGGAAGCTCATCCCTTGAGAACAAACCCAGATGCGAACACGAGCGGATTC 2280  
Qy 2281 CAGTTCACTCAGATCAGAGAAGAAGATTTCTAAACGTCCACCTCGGTCCAGTGTG 2340  
Db 2281 CAGTTCACTCAGATCAGAGAAGAAGATTTCTAAACGTCCACCTCGGTCCAGTGTG 2340  
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Qy 2401 AAGATCAGAGCTGGATAAAGACTTTGGAAGAGGTCAACCATGCGCTGCAGGACACACCA 2460  
Db 2401 AAGATCAGAGCTGGATAAAGACTTTGGAAGAGGTCAACCATGCGCTGCAGGACACACCA 2460  
Qy 2461 GAAAGACCACTTACATTAACAGAACCACTACCAAGAGCTCAATGACATCCTCAACCTG 2520  
Db 2461 GAAAGACCACTTACATTAACAGAACCACTACCAAGAGCTCAATGACATCCTCAACCTG 2520  
Qy 2521 GGAACCTTCACTGAGACAGATGGAAGAGGCCATTTTAAATAATCACTCGATCAA 2580  
Db 2521 GGAACCTTCACTGAGACAGATGGAAGAGGCCATTTTAAATAATCACTCGATCAA 2580  
Qy 2581 AATCCCCAGCTACAGTGGAAACAACAAGAGCCCTCTCGAACATGCAAAAGATCTATAGAA 2640  
Db 2581 AATCCCCAGCTACAGTGGAAACAACAAGAGCCCTCTCGAACATGCAAAAGATCTATAGAA 2640  
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Db 2641 GATATAAACTCTCAGAACACATCCAGCGTGGCTGTCCCTCAGCTCCCATCCTCCAC 2700  
Qy 2701 CAGCCTTACCTCCATCCATCGGAGGCTGGACGCCAGCTGTGTGAGCCCTCGGTGAGC 2760  
Db 2701 CAGCCTTACCTCCATCCATCGGAGGCTGGACGCCAGCTGTGTGAGCCCTCGGTGAGC 2760  
Qy 2761 CCCACGCCAGCCCGCCCAACAGATGTGCCACCCCTCTTCCGAGTCAATGGTCTCGGGC 2820  
Db 2761 CCCACGCCAGCCCGCCCAACAGATGTGCCACCCCTCTTCCGAGTCAATGGTCTCGGGC 2820  
Qy 2821 CTG 2823  
Db 2821 CTG 2823

RESULT 8  
US-10-225-567A-435  
; Sequence 435, Application US/10225567A  
; Publication No. US20030113798A1  
; GENERAL INFORMATION:  
; APPLICANT: LifeSpan Biosciences  
; APPLICANT: Brown, Joseph P.  
; APPLICANT: Burmer, Glenna C.  
; APPLICANT: Roush, Christine L.  
; TITLE OF INVENTION: ANTIGENIC PEPTIDES AND ANTIBODIES FOR G PROTEIN-COUPLED RECEPTORS  
; FILE REFERENCE: 1920-4-4  
; CURRENT APPLICATION NUMBER: US/10/225,567A  
; CURRENT FILING DATE: 2001-12-19  
; PRIOR APPLICATION NUMBER: 60/257,144

; PRIOR FILING DATE: 2000-12-19  
; NUMBER OF SEQ ID NOS: 2292  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 435  
; LENGTH: 2826  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-10-225-567A-435

Query Match 99.8%; Score 2818.2; DB 15; Length 2826;  
Best Local Similarity 99.9%; Pred. No. 0;  
Matches 2820; Conservative 0; Mismatches 3; Indels 0; Gaps 0;

Qy 1 ATGGCTTCCCGCGGAGCTCCGGGACGCCGGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCC 60  
Db 1 ATGGCTTCCCGCGGAGGTCGGGGACGAGCGCGCGCGCGCGCGCGCGCGCGCGCGCGCC 60  
Qy 61 GCGCGCTCTACTGCTACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 120  
Db 61 GCGCGCTCTACTGCTACTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTGCTG 120  
Qy 121 GGCTGGCGCGGGCG 180  
Db 121 GGCTGGCGCGGGCG 180  
Qy 181 CTCATGCGCTCTACCAAGGAGGTGGCCAAAGGCGGAGCATCGGGCGCGGTGTGCTCCCGGCC 240  
Db 181 CTCATGCGCTCTACCAAGGAGGTGGCCAAAGGCGGAGCATCGGGCGCGGTGTGCTCCCGGCC 240  
Qy 241 GTGGAACCTGGCATCGAGCAGATCCGCAACGAGTCACTCTGCGCGCGCGCGCGCGCGCGCG 300  
Db 241 GTGGAACCTGGCATCGAGCAGATCCGCAACGAGTCACTCTGCGCGCGCGCGCGCGCGCG 300  
Qy 301 CTGCGCTCTATGACACGAGTGGCAACACGCAAAAGGTTGAAAGCTTTCTACATGCA 360  
Db 301 CTGCGCTCTATGACACGAGTGGCAACACGCAAAAGGTTGAAAGCTTTCTACATGCA 360  
Qy 361 ATAAATACGGCGCGAACCACTTGATGTTGTTGGAGGCGTCTGTCATCCGTCATCC 420  
Db 361 ATAAATACGGCGCGAACCACTTGATGTTGTTGGAGGCGTCTGTCATCCGTCATCC 420  
Qy 421 ATCATTGACAGTCCCTCAAGCTGGAATCTGTTGAGCTTCTTTTCTGTCGCAACACG 480  
Db 421 ATCATTGACAGTCCCTCAAGCTGGAATCTGTTGAGCTTCTTTTCTGTCGCAACACG 480  
Qy 481 CCTGTTCTAGCCGATAAGAAAAAATACCTTATTTCTTTCGACCGTCCCATCAGACAAT 540  
Db 481 CCTGTTCTAGCCGATAAGAAAAAATACCTTATTTCTTTCGACCGTCCCATCAGACAAT 540  
Qy 541 GCGGTGAATCCAGCCATCTGAAAGTTGCTCAAGCACTACAGTGAAGCGCGTGGGACG 600  
Db 541 GCGGTGAATCCAGCCATCTGAAAGTTGCTCAAGCACTACAGTGAAGCGCGTGGGACG 600  
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Db 601 CTGACCAAGACGTTCCAGAGGTTCTCTGAGGTGCGGAATGACCTGACTGGAGTCTGTAT 660  
Qy 661 GCGAGGACATTTGAGATTTTCCAGACCGGAGGTTCTCCAAACGATCCCTGTACAGTGT 720  
Db 661 GCGAGGACATTTGAGATTTTCCAGACCGGAGGTTCTCCAAACGATCCCTGTACAGTGT 720  
Qy 721 AAAAAGCTGAAGGGGAATGATGCGGATCATCTTGGCCAGTTTTCACAGATATGGCA 780  
Db 721 AAAAAGCTGAAGGGGAATGATGCGGATCATCTTGGCCAGTTTTCACAGATATGGCA 780  
Qy 781 GCAAAAGTGTCTGTTGTGCATACGAGGAGAACATGTATGGTAGTAAATATCAGTGGATC 840  
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Qy 841 ATTCCGGGTGTGACAGGCTTCTTGGTGGGAGCAGGTGCACACGGAAGCCAACTCATCC 900  
Db 841 ATTCCGGGTGTGACAGGCTTCTTGGTGGGAGCAGGTGCACACGGAAGCCAACTCATCC 900

QY 901 CGCTGCTCCGGAAGAAATCTGCTTGCTGCCATGAGGGCTACATTTGGCGTGGATTTTCGAG 960  
DB 901 CGCTGCTCCGGAAGAAATCTGCTTGCTGCCATGAGGGCTACATTTGGCGTGGATTTTCGAG 960  
QY 961 CCCTGAGCTCCAGCAGATCAAGACCATCTCAGGAAAGACTCCACAGCAGATGAGAGA 1020  
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QY 1021 GAGTACAAACAAAGCGGTGAGCGGTGGGCCCCAGCAAGTTCCACGGGTACGGCTACGAT 1080  
DB 1021 GAGTACAAACAAAGCGGTGAGCGGTGGGCCCCAGCAAGTTCCACGGGTACGGCTACGAT 1080  
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DB 1081 GGCATCTGGGTATCGCCAAAGACACTGACAGAGGGCCATGAGAGACACTGATGCCAGCAGC 1140  
QY 1141 CGGCACAGGGGATCCAGGACTTCACTACACGGGACCAACGGTGGGCGAGGATCATCTTC 1200  
DB 1141 CGGCACAGGGGATCCAGGACTTCACTACACGGGACCAACGGTGGGCGAGGATCATCTTC 1200  
QY 1201 AATGCCATGAACGAGACCAACTTTCTGGGGTCAAGGTTCAAGTTCTGTTTCGGGAATGG 1260  
DB 1201 AATGCCATGAACGAGACCAACTTTCTGGGGTCAAGGTTCAAGTTCTGTTTCGGGAATGG 1260  
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DB 1321 GAGTACAAAGCTGTGGCGGACACACTGGAGATCATCAATGACACCATCAGGTTCCAAAGGA 1380  
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DB 1621 GGATCCTTTGCTCTGAAAGACCTTTGAAACACTTTGCACCGTCAGGACCTGGATTCTC 1680  
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DB 1741 ATCTTCAAAAATGTGAAAATGAAGAGAAGATCATCAAGSACAGAAAATGCTTGTGATC 1800  
QY 1801 GTGGGGGGCATGCTGCTGATCGACCTGTGTATCTCTGATCTGCTGGCAGGCTGTGGACCC 1860  
DB 1801 GTGGGGGGCATGCTGCTGATCGACCTGTGTATCTCTGATCTGCTGGCAGGCTGTGGACCC 1860  
QY 1861 CTGCGAAGGACAGTGAGAGATGACAGATGGAGCCGACCCAGCAGGAGGATATCTCC 1920  
DB 1861 CTGCGAAGGACAGTGAGAGATGACAGATGGAGCCGACCCAGCAGGAGGATATCTCC 1920  
QY 1921 ATCCGCCCTCTCTCGAGCAGCTGTGAGAACCCCATATGACCATCTGGCTTGGCATCTGC 1980  
DB 1921 ATCCGCCCTCTCTCGAGCAGCTGTGAGAACCCCATATGACCATCTGGCTTGGCATCTGC 1980  
QY 1981 TAGCCCTACAAAGGAGACTTCTCTGTTGTTGCTCGGTGTTTCTTAGCTTGGGAGACCCGCAAC 2040

DB 1981 TATGCTACAAGGAGACTTCTCATGTTGTTGCGTGTGTTTCTTAGCTTGGGAGACCCGCAAC 2040  
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DB 2041 GTACAGATCCCGCACTCAACGACGCAAGTACATCGGATGAGTCTCTACACGTTGGGG 2100  
QY 2101 ATCATGTGATCATCGGGCCGCTGTCTCTCTTCCGTGACCCGGGACAGCCCAATGTGCAG 2160  
DB 2101 ATCATGTGATCATCGGGCCGCTGTCTCTCTTCTTCCGTGACCCGGGACAGCCCAATGTGCAG 2160  
QY 2161 TTCTGATCTGGTCTGTGTCATCATCTTCTGAGGACCATCACCTCTGCTGCTGTTTC 2220  
DB 2161 TTCTGATCTGGTCTGTGTCATCATCTTCTGAGCACCATCACCTCTGCTGCTGTTTC 2220  
QY 2221 GTGCCGAGCTCATCACCTGTAGAACAAACCCAGATGAGAACAGGCGGATTC 2280  
DB 2221 GTGCCGAGCTCATCACCTGTAGAACAAACCCAGATGAGAACAGGCGGATTC 2280  
QY 2281 CAGTTCACTCAGAAATCAGAAAGAAAGATTCTTAAACGCTCCACCTCGGTCAACAGTGTG 2340  
DB 2281 CAGTTCACTCAGAAATCAGAAAGAAAGATTCTTAAACGCTCCACCTCGGTCAACAGTGTG 2340  
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DB 2341 AACCAAGCCAGCACATCCCGCTGGAGGCTTACAGTCAAGAAAACCATCGCTCGCAATG 2400  
QY 2401 AAGATCACAGAGCTGGATAAAGACTTGAAGAGGTCAACATGAGAGCTCAATGACATCCTCAACCTG 2460  
DB 2401 AAGATCACAGAGCTGGATAAAGACTTGAAGAGGTCAACATGAGAGCTCAATGACATCCTCAACCTG 2460  
QY 2461 GAAAAGACCACTTAAACAGAACCACTTGAAGAGGTCAACATGAGAGCTCAATGACATCCTCAACCTG 2520  
DB 2461 GAAAAGACCACTTAAACAGAACCACTTGAAGAGGTCAACATGAGAGCTCAATGACATCCTCAACCTG 2520  
QY 2521 GAAAAGACCACTTAAACAGAACCACTTGAAGAGGTCAACATGAGAGCTCAATGACATCCTCAACCTG 2580  
DB 2521 GAAAAGACCACTTAAACAGAACCACTTGAAGAGGTCAACATGAGAGCTCAATGACATCCTCAACCTG 2580  
QY 2581 AATCCCGAGCTACAGTGGAAACCAACAGAGCCCTCTCGAACATGCAAGATCCTATAGAA 2640  
DB 2581 AATCCCGAGCTACAGTGGAAACCAACAGAGCCCTCTCGAACATGCAAGATCCTATAGAA 2640  
QY 2641 GATATAAATCTCCAGAACACATCCAGCGTGGGTGCTCCCTCCAGCTCCCGCATCTCCAC 2700  
DB 2641 GATATAAATCTCCAGAACACATCCAGCGTGGGTGCTCCCTCCAGCTCCCGCATCTCCAC 2700  
QY 2701 CACGCTACCTCCCATCCATCCAGGCGGTGAGCGGAGCTGTGTAGCCCCCTGCGTCAGC 2760  
DB 2701 CACGCTACCTCCCATCCATCCAGGCGGTGAGCGGAGCTGTGTAGCCCCCTGCGTCAGC 2760  
QY 2761 CCCACGGCCGCGCCGACAGACATGTCGACCCCTCTCCGAGCTCATGCTCGGGC 2820  
DB 2761 CCCACGGCCGCGCCGACAGACATGTCGACCCCTCTCCGAGCTCATGCTCGGGC 2820  
QY 2821 CTG 2823  
DB 2821 CTG 2823

## RESULT 9

US-10-295-027-25  
; Sequence 25, Application US/10295027  
; Publication No. US2003023250A1  
; GENERAL INFORMATION:  
; APPLICANT: Afar, Daniel  
; APPLICANT: Aziz, Natasha  
; APPLICANT: Ginsberg, Wendy M.  
; APPLICANT: Gish, Kurt C.  
; APPLICANT: Glynn, Richard  
; APPLICANT: Hevezi, Peter A.  
; APPLICANT: Mack, David H.  
; APPLICANT: Murray, Richard







Db	61	CGCGCCTGCTA	CTGCTACTGCTCTGCTCGCGTGTCTGCTCTGCGCGCCGCGGGCCTGG	120
Qy	121	GGCTGGCGGGG	CGCCCCCGCGCCCGCCAGACGCCGCGCTCTCCATCATGGGC	180
Db	121	GGCTGGCGGGG	CGCCCCCGCGCCCGCCAGACGCCGCGCTCTCCATCATGGGC	180
Qy	181	CTCATGCCGCTA	CTAAAGGAGTGGCCAAAGGCGACATCGGGCGCGGTGTCTCCCGCC	240
Db	181	CTCATGCCGCTA	CTAAAGGAGTGGCCAAAGGCGACATCGGGCGCGGTGTCTCCCGCC	240
Qy	241	GTGGAACTGGCCAT	CTGAGCAGATCCGCAACGAGTCACTCTCTGCGCCCTACTTCTCTCGAC	300
Db	241	GTGGAACTGGCCAT	CTGAGCAGATCCGCAACGAGTCACTCTCTGCGCCCTACTTCTCTCGAC	300
Qy	301	CTGCGGCTCTATGA	CACGAGTGGCAACGCAAAAGGTTGAAAGCTTCTACGATGCA	360
Db	301	CTGCGGCTCTATGA	CACGAGTGGCAACGCAAAAGGTTGAAAGCTTCTACGATGCA	360
Qy	361	ATAAAATACGGGCG	GAACCACTTGATGGTGTTTGGAGCGTCTGTCCATCCGTCACATCC	420
Db	361	ATAAAATACGGGCG	GAACCACTTGATGGTGTTTGGAGCGTCTGTCCATCCGTCACATCC	420
Qy	421	ATCATTCGAGATG	TCCTCBAAGGCTGGAATCTGCTGACGCTTCTTTTGTCTGCAACCAG	480
Db	421	ATCATTCGAGATG	TCCTCBAAGGCTGGAATCTGCTGACGCTTCTTTTGTCTGCAACCAG	480
Qy	481	CTGTCTTAGCCGATA	GAAAAAATACCTTTATTTCTCGGACCGTCCCATCAGACAAT	540
Db	481	CTGTCTTAGCCGATA	GAAAAAATACCTTTATTTCTCGGACCGTCCCATCAGACAAT	540
Qy	541	CGCGTGAATCCAG	CACTTCTGAAGTTGCTCAAGCACTACCAGTGGAAAGCGGTGGGCAG	600
Db	541	CGCGTGAATCCAG	CACTTCTGAAGTTGCTCAAGCACTACCAGTGGAAAGCGGTGGGCAG	600
Qy	601	CTGACGCAAGCGT	TTCAGAGTTCTCTGAGGTGGGGAATGACCTGACTGAGAGTTCTGTAT	660
Db	601	CTGACGCAAGCGT	TTCAGAGTTCTCTGAGGTGGGGAATGACCTGACTGAGAGTTCTGTAT	660
Qy	661	GGCAGGACATTTGA	TTTTCAGACACGAGAGCTTCTTCCAAAGCATCCCTGTACCAGTGTC	720
Db	661	GGCAGGACATTTGA	TTTTCAGACACGAGAGCTTCTTCCAAAGCATCCCTGTACCAGTGTC	720
Qy	721	AAAAAGCTGAAGG	GAATGATGTGCGGATCATCTTGGCCAGTTTGACCAAGATATGGCA	780
Db	721	AAAAAGCTGAAGG	GAATGATGTGCGGATCATCTTGGCCAGTTTGACCAAGATATGGCA	780
Qy	781	GCAAAAGTGTCTG	TGTGTCATACGAGAGAACATGTATGGTAGTAAATATCATGTGATC	840
Db	781	GCAAAAGTGTCTG	TGTGTCATACGAGAGAACATGTATGGTAGTAAATATCATGTGATC	840
Qy	841	ATTCGGGCTGGTAC	GAGCCTTCTTGGTGGGAGCAGGTGCACACGGAAGCAACTCATCC	900
Db	841	ATTCGGGCTGGTAC	GAGCCTTCTTGGTGGGAGCAGGTGCACACGGAAGCAACTCATCC	900
Qy	901	CGCTGCTCCGGA	AGAACTGCTTGTCTGCCATGAGAGGCTACATTGGCGTGGATTTCCAG	960
Db	901	CGCTGCTCCGGA	AGAACTGCTTGTCTGCCATGAGAGGCTACATTGGCGTGGATTTCCAG	960
Qy	961	CCCCTGAGCTCCA	AGCAGATCAAGACCATCTCAGGAAAGACTCCACACGAGTATGAGAGA	1020
Db	961	CCCCTGAGCTCCA	AGCAGATCAAGACCATCTCAGGAAAGACTCCACACGAGTATGAGAGA	1020
Qy	1021	GAGTACAACAAC	ACAGCGGTACGGGCTTCCAGGAGTTCACGGGTAGGCTACGAT	1080
Db	1021	GAGTACAACAAC	ACAGCGGTACGGGCTTCCAGGAGTTCACGGGTAGGCTACGAT	1080
Qy	1081	GGCATCTGGGTCA	TGCGCAAGACACTGCAAGGGCCATGGAGACACTGCAATGCCAGCAGC	1140
Db	1081	GGCATCTGGGTCA	TGCGCAAGACACTGCAAGGGCCATGGAGACACTGCAATGCCAGCAGC	1140
Qy	1141	CGGCACGAGGGAT	TCAGGACTTCAACTACACGGAACACAGCTGGGCGAGATCATCCTC	1200
Db	1141	CGGCACGAGGGAT	TCAGGACTTCAACTACACGGAACACAGCTGGGCGAGATCATCCTC	1200

Qy	1201	AATGCCATGAACAGACCAACTCTCTTCGGGGTCAACGGGTCAAGTTGTATTC	CGGAATGGG	1260
Db	1201	AATGCCATGAACAGACCAACTCTCTTCGGGGTCAACGGGTCAAGTTGTATTC	CGGAATGGG	1260
Qy	1261	GAGAGAAATGGGACCATTAATTTTACTCAATTTTCAAGA	CAGCAGGAGGTGAAGSTGGGA	1320
Db	1261	GAGAGAAATGGGACCATTAATTTTACTCAATTTTCAAGA	CAGCAGGAGGTGAAGSTGGGA	1320
Qy	1321	GAGTACAAACGCTGTGGCCGACACACTGGAGATCATCAATGACACCAT	TCAGGTTCCAAAGGA	1380
Db	1321	GAGTACAAACGCTGTGGCCGACACACTGGAGATCATCAATGACACCAT	TCAGGTTCCAAAGGA	1380
Qy	1381	TCCGAACCCAAAGACACAGACCATCATCTCTGGACAGCTGCGGAAGATCTCCCTACCT	1440	
Db	1381	TCCGAACCCAAAGACACAGACCATCATCTCTGGACAGCTGCGGAAGATCTCCCTACCT	1440	
Qy	1441	CTCTACAGCATCTCTCTGCGCTCACCATCTCGGGATGATCATGCGCAGTGTCTTCTC	1500	
Db	1441	CTCTACAGCATCTCTCTGCGCTCACCATCTCGGGATGATCATGCGCAGTGTCTTCTC	1500	
Qy	1501	TTCTTCAACATCAAGAAACCGGAATCAGAACTCATAAAGATGTCGAGTCATACATGAAC	1560	
Db	1501	TTCTTCAACATCAAGAAACCGGAATCAGAACTCATAAAGATGTCGAGTCATACATGAAC	1560	
Qy	1561	AACCTTATCATCTTGGAGGATGCTCTCTATGCTTCCATATTTCTCTTTGGCCTTGAT	1620	
Db	1561	AACCTTATCATCTTGGAGGATGCTCTCTATGCTTCCATATTTCTCTTTGGCCTTGAT	1620	
Qy	1621	GGATCTTTGTCTCTGAAAAGACCTTTGAAAACACTTTGCAACCTCAGGACCTGGATTCCTC	1680	
Db	1621	GGATCTTTGTCTCTGAAAAGACCTTTGAAAACACTTTGCAACCTCAGGACCTGGATTCCTC	1680	
Qy	1681	ACGTGGGCTACACGACCGCTTTTGGGGCCATCTTTGCAAGACCTGGAGATCCAGCC	1740	
Db	1681	ACGTGGGCTACACGACCGCTTTTGGGGCCATCTTTGCAAGACCTGGAGATCCAGCC	1740	
Qy	1741	ATCTTCAAAAATGTGAAAATGAAGAAGATCATCAAGACACAGAAACTGCTTGTGATC	1800	
Db	1741	ATCTTCAAAAATGTGAAAATGAAGAAGATCATCAAGACACAGAAACTGCTTGTGATC	1800	
Qy	1801	GTGGGGGCAATGCTGTGATCGACCTGTGTATCTGTATCTGTCTGGCAGGCTTGGACCCC	1860	
Db	1801	GTGGGGGCAATGCTGTGATCGACCTGTGTATCTGTATCTGTCTGGCAGGCTTGGACCCC	1860	
Qy	1861	CTCGAGGACAGTGGAGAAAGTACAGATCGAGCCGACCCAGCAGACGGGATATCTCC	1920	
Db	1861	CTCGAAGGACAGTGGAGAAAGTACAGATCGAGCCGACCCAGCAGACGGGATATCTCC	1920	
Qy	1921	ATCCGCCCTCTCTCTGGAGCACTGTGAAACACCCATATGACCATCTGGCTTGGCATCGTC	1980	
Db	1921	ATCCGCCCTCTCTCTGGAGCACTGTGAAACACCCATATGACCATCTGGCTTGGCATCGTC	1980	
Qy	1981	TATGCTTAAAGGGAATTCTCATGTTGTTTCGGTTGTTCTTAGCTTGGGAGACCCGCAAC	2040	
Db	1981	TATGCTTAAAGGGAATTCTCATGTTGTTTCGGTTGTTCTTAGCTTGGGAGACCCGCAAC	2040	
Qy	2041	GTCAAGATCCCGCACTCAACGACAGCAAGTACATCGGATGAGTGTCTACACGTTGGG	2100	
Db	2041	GTCAAGATCCCGCACTCAACGACAGCAAGTACATCGGATGAGTGTCTACACGTTGGG	2100	
Qy	2101	ATCATGTGCATCATCGGGGCGGTCTCTCTTCTGACCCGGGACAGCCCAATGTGCAG	2160	
Db	2101	ATCATGTGCATCATCGGGGCGGTCTCTCTTCTGACCCGGGACAGCCCAATGTGCAG	2160	
Qy	2161	TTCTGCATCTGGCTCTGTTTCATCTCTGTGAGCACCATCATCCCTCTCCCTGGTATTC	2220	
Db	2161	TTCTGCATCTGGCTCTGGTTCATCTCTGTGAGCACCATCATCCCTCTCCCTGGTATTC	2220	
Qy	2221	GTGCCGAAGCTCATCACCTCTGAGAAACACCCAGATGACGCAACGCAAGAACAGCCGATTC	2280	
Db	2221	GTGCCGAAGCTCATCACCTCTGAGAAACACCCAGATGACGCAACGCAAGAACAGCCGATTC	2280	





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QY 1363 ACCATCAGGTTCCAAAGATCCGAACCAACCAAGAAAGACCAAGACCATCATCTCTGGAGCAGCTG 1422
Db 1477 ACCATCAGGTTCCAAAGATCCGAACCAACCAAGAAAGACCAAGACCATCATCTCTGGAGCAGCTG 1536
QY 1423 CGGAAGATCTCCCTACCTCTCTACAGCATCTCTCTGCGCTCACCATCTCTCGGGATGATC 1482
Db 1537 CGGAAGATCTCCCTACCTCTCTACAGCATCTCTCTGCGCTCACCATCTCTCGGGATGATC 1596
QY 1483 ATGGCAGTCTCTTCTCTCTTCTTCAACATCAAGAAACCGGAATCAGAAGCTCATAAAAGATG 1542
Db 1597 ATGGCAGTCTCTTCTCTCTTCTTCAACATCAAGAAACCGGAATCAGAAGCTCATAAAAGATG 1656
QY 1543 TCAGATCCATACATGAACAACTTATCATCTTTGGAGGGATGCTCTCTTATGTTCCATA 1602
Db 1657 TCAGATCCATACATGAACAACTTATCATCTTTGGAGGGATGCTCTCTTATGTTCCATA 1716
QY 1603 TTTTCTTTGGCTTGATGATCTTTGTCTCTGAAAGACCTTTGAAACACTTTGCACC 1662
Db 1717 TTTTCTTTGGCTTGATGATCTTTGTCTCTGAAAGACCTTTGAAACACTTTGCACC 1776
QY 1663 GTCAGGACCTTGGAATCTCACCGTGGGTACACGACCGCTTTTGGGGCCATGTTTGAAG 1722
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QY 1723 ACTGGAGAGTCCACGCAATCTTCAAAATGTGAAATGAAGAAAGATCATCAAGGAC 1782
Db 1837 ACTGGAGAGTCCACGCAATCTTCAAAATGTGAAATGAAGAAAGATCATCAAGGAC 1896
QY 1783 CAGAAACTGTTGTGATCGTGGGGGCGATCTGCTGATCGACCTGTGATCTGATCTGC 1842
Db 1897 CAGAAACTGTTGTGATCGTGGGGGCGATCTGCTGATCGACCTGTGATCTGATCTGC 1956
QY 1843 TGCAGGCTGTGGAACCCCTCGGAAGGACAGTGGAGAAGTACAGCATGGAGCCGACCCCA 1902
Db 1957 TGCAGGCTGTGGAACCCCTCGGAAGGACAGTGGAGAAGTACAGCATGGAGCCGACCCCA 2016
QY 1903 GCAGGACGGGATATCTCCATCCGCTCTCTCTGGAGCACTGTGAGAACACCCATATGACC 1962
Db 2017 GCAGGACGGGATATCTCCATCCGCTCTCTCTGGAGCACTGTGAGAACACCCATATGACC 2076
QY 1963 ATCTGGCTTGGCATCGTCTATGCTTACAGGACTTCTCATGTTGTTGGTCTTCTTCTTA 2022
Db 2077 ATCTGGCTTGGCATCGTCTATGCTTACAGGACTTCTCATGTTGTTGGTCTTCTTCTTA 2136
QY 2023 GCTTGGAGACCCGCAACGTCAGCATCCCGCACTCAACGACAGCAAGTACATCGGGATG 2082
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QY 2083 AGTGTCTACAACTGGGGATCATGTGCATCATCGGGCGCTGTCTCTTCTTGACCCGG 2142
Db 2197 AGTGTCTACAACTGGGGATCATGTGCATCATCGGGCGCTGTCTCTTCTTGACCCGG 2256
QY 2143 GACGAGCCCAATGTCAGTCTGATCGTGGCTGTGGTCTGATCATCTTCTGCGACCAATC 2202
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QY 2203 ACCCTCTGCTGTTATTCGTGCGCAAGCTCATCACCTCGAGAACAAACCCAGATGACGCA 2262
Db 2317 ACCCTCTGCTGTTATTCGTGCGCAAGCTCATCACCTCGAGAACAAACCCAGATGACGCA 2376
QY 2263 ACGCAGAACCGGATTCAGTTCATCTCAGAAATCAGAAAGAAAGATTCATAAAGTCC 2322
Db 2377 ACGCAGAACCGGATTCAGTTCATCTCAGAAATCAGAAAGAAAGATTCATAAAGTCC 2436
QY 2323 ACCTCGGTCCAGTGTGAACCAAGCCAGACATCCCGCTGGAGGCTTACAGTCAGAA 2382
Db 2437 ACCTCGGTCCAGTGTGAACCAAGCCAGACATCCCGCTGGAGGCTTACAGTCAGAA 2496
QY 2383 AACCATCGCTTGCAGAAATGAAGATCACAGAGCTGGATAAAGATTGGAAGAGGTCAACATG 2442
Db 2497 AACCATCGCTTGCAGAAATGAAGATCACAGAGCTGGATAAAGATTGGAAGAGGTCAACATG 2556
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QY 2443 CAGCTCGAGGACACACCCAGAAAGACCACTTACATTAAACAGAACACCACTACCAAGAGCTC 2502
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QY 2503 AATGACATCTCTCAACTCTGGGAAATCTTCACTGAGAGCACAGATGGAGAAAGGCCATTTTA 2562
Db 2617 AATGACATCTCTCAACTCTGGGAAATCTTCACTGAGAGCACAGATGGAGAAAGGCCATTTTA 2676
QY 2563 AAAAAATCACTCGATCAAAATCCCAAGCTTACAGTGTGAGAACACACAGAGCCCTCTCGAACA 2622
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Db 2797 CAGCTCCCCATCTCTCACCAAGCTTACCTCCATCCATCCGAGGCGTGGACGCGACTGT 2856
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Db 2857 GTCAGCCCTCGGTCTAGCCCCACCGCCAGCCCCCGCCACAGACATGTGCCACCTCTTC 2916
QY 2803 CGAGTCATGTTCTCGGGCCTG 2823
Db 2917 CGAGTCATGTTCTCGGGCCTG 2937
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## RESULT 12

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US-09-211-755B-1
; Sequence 1, Application US/09211755B
; Patent No. US20020045742A1
; GENERAL INFORMATION:
; APPLICANT: Kenneth A. Jones, Thomas M. Laz, Beth Borowsky
; TITLE OF INVENTION: DNA Encoding a GABAR2 Polypeptide And Uses Thereof
; FILE REFERENCE: 1795/54002-D
; CURRENT APPLICATION NUMBER: US/09/211,755B
; PRIOR FILING DATE: 1998-12-15
; PRIOR APPLICATION NUMBER: 09/186,664
; PRIOR FILING DATE: 1998-11-04
; NUMBER OF SEQ ID NOS: 56
; SOFTWARE: PatentIn version 3.1
; SEQ ID NO 1
; LENGTH: 3244
; TYPE: DNA
; ORGANISM: Homo sapiens
US-09-211-755B-1
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Query Match 94.1%; Score 2657.8; DB 9; Length 3244;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 2659; Conservative 0; Mismatches 2; Indels 0; Gaps 0;
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QY 163 CCGCTCTCCATCATATGGGCTCTATGCGCTCACCAAGAGGTGCCAAGGGCAGCATCGGG 222
Db 277 CCGCTCTCCATCATATGGGCTCTATGCGCTCACCAAGAGGTGCCAAGGGCAGCATCGGG 336
QY 223 CCGGCTGTCTCCCGCCGCTGGAACTGGCCATCGAGCAATCCGCAACGAGTCACCTCTG 282
Db 337 CCGGCTGTCTCCCGCCGCTGGAACTGGCCATCGAGCAGATCCGCAACGAGTCACCTCTG 396
QY 283 CGCCCTACTTCTCTGACCTCGGCTCTATGACACCGAGTGGCACAAACGAAAGGGTTG 342
Db 397 CGCCCTACTTCTCTGACCTCGGCTCTATGACACCGAGTGGCACAAACGAAAGGGTTG 456
QY 343 AAAGCTTCTTACATGCAATATAAATACGGGCCGAAACACCTTGATGTTGTTGAGGCGTC 402
Db 457 AAAGCTTCTTACATGCGATATAAATACGGGCCGAAACACCTTGATGTTGTTGAGGCGTC 516
QY 403 TGTCCATCCGTCTCATCTCCATTCATTGAGAGTCCCTCAAGGCTGGAAATCTGTTGTCAGCTT 462
Db 517 TGTCCATCCGTCTCATCTCCATTCATTGAGAGTCCCTCAAGGCTGGAAATCTGTTGTCAGCTT 576
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QY 463 TCTTTGCTCAACACCGCTGTTCTAGCCGATAAGAAAAATACCCCTATTATTTCTTCGG 522  
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1957 TGGCAGGCTGTGGACCCCTCGGAAAGGACAGTGGAGAGTACAGCATGGAGCCGAGCCCA 2016  
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DB |||||  
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DB |||||  
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QY 2143 GACCAGCCAAATGTGTCAGTTCGTCATCTGTCATCTCTGTCAGCAGCATC 2202  
DB |||||  
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Qy 2743 GTCAGCCCTCGCTCAGCCGCCACCGCCAGCCCGCCGACAGACATGTGCCACCTCCTTC 2802
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Qy 2803 CGAGTCATGTCTCGGCGCTG 2823
Db 2917 CGAGTCATGTCTCGGCGCTG 2937

RESULT 13
US-09-793-139-1
; Sequence 1, Application US/09793139
; Patent No. US20020156265A1
; GENERAL INFORMATION:
; APPLICANT: Jones, Kenneth A
; TITLE OF INVENTION: DNA Encoding A GABA BR2 Polypeptide And Uses Thereof
; FILE REFERENCE: 54002epctus
; CURRENT APPLICATION NUMBER: US/09/793,139
; CURRENT FILING DATE: 2001-02-26
; NUMBER OF SEQ ID NOS: 55
; SOFTWARE: PatentIn Ver. p.1
; SEQ ID NO 1
; LENGTH: 3244
; TYPE: DNA
; ORGANISM: Homo Sapiens
US-09-793-139-1

Query Match 94.1%; Score 2657.8; DB 9; Length 3244;
Best Local Similarity 99.9%; Pred. No. 0;
Matches 2659; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

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Qy 223 CGGGGTGTCTCCCGCGGTGAACCTGCGCCATCGAGCAGATCCGCAACGAGTCACTCCTG 282
Db 337 CGGGGTGTCTCCCGCGGTGAACCTGCGCCATCGAGCAGATCCGCAACGAGTCACTCCTG 396
Qy 283 CGCCCTTACTTCTCGACCTCGCGCTCTATGACACGGAGTGCACAAACGAAAGGGTTG 342
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Qy 343 AAGCCTTACGATGCAATATAAATACGGCGCGAAACACATTGATGTGTGGAGGCGTC 402
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Qy 643 CTGACTGGAGTTCTGTATGGCGAGGACATTCAGATTTTCAGACCCGAGAGCTTCTCCAAC 702
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1843 QY TGGCAGGCTGTGACCCCTCGCAAGACAGTGGAGAGTACAGCATGGAGCCGACCCCA 1902  
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2017 Db GCAGGACGGGATATCTCCATCCGCCCTCTCTGGAGCACTGTGAGAACACCCATATGACC 2076  
1963 QY ATCTGCTTGGCATCTGCTATGCTATGCTCAAGAGACTTCTCATGTTGTTCGGTGTCTTTA 2022  
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2023 QY GCTTGGGAGACCGGACGTCAGCATCCCGCACTCAAGACAGCAAGTACATCCGGATG 2082  
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2263 QY ACCGAGAACAGGGGATTTCCAGTTTCACTCAGAAATCAGAAAGAAAGATTTCTAAAGCTCC 2322  
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2503 QY AATGACATCTCAACTGGGAAACTTCACTGAGAGCACAGATGGAGGAAAGGCCATTTTA 2562  
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2683 QY CAGCTCCCATCTCTCAACAGCGCTACCTCCCATCCATCCGAGGCGTGGACGCCAGCTGT 2742  
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2743 QY GTCAGGCCCTCGGTGAGCCCGCAGCCCGCCGACAGATGTGCCACCTCTCTTC 2802  
2857 Db GTCAGGCCCTCGGTGAGCCCGCAGCCCGCCGACAGATGTGCCACCTCTCTTC 2916  
2803 QY CGAGTCATGCTCTCGGGCTG 2823  
2917 Db CGAGTCATGCTCTCGGGCTG 2937

US-09-822-830A-39  
; Sequence 39, Application US/09822830A  
; Patent No. US20020142952A1  
; GENERAL INFORMATION:  
; APPLICANT: Genetics Institute, Inc.  
; APPLICANT: Wong, Gordon G.  
; APPLICANT: Clark, Hilary  
; APPLICANT: Fechtel, Kim  
; APPLICANT: Agostino, Michael J.  
; APPLICANT: Howes, Steven H.  
; APPLICANT: Resnick, Richard J.  
; APPLICANT: Gulukota, Kamalak  
; APPLICANT: Graham, James R.  
; TITLE OF INVENTION: POLYNUCLEOTIDES ENCODING NOVEL SECRETED PROTEINS  
; FILE REFERENCE: GIN 6402  
; CURRENT APPLICATION NUMBER: US/09/822,830A  
; CURRENT FILING DATE: 2001-03-29  
; PRIOR APPLICATION NUMBER: 60/195,604  
; PRIOR FILING DATE: 2000-04-06  
; NUMBER OF SEQ ID NOS: 631  
; SOFTWARE: PatentIn Ver. 2.0  
; SEQ ID NO 39  
; LENGTH: 2732  
; TYPE: DNA  
; ORGANISM: Homo sapiens  
US-09-822-830A-39  
  
Query Match 86.3%; Score 2435.2; DB 9; Length 2732;  
Best Local Similarity 99.9%; Pred. No. 0;  
Matches 2437; Conservative 0; Mismatches 3; Indels 0; Gaps 0;  
  
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Db 181 GTTGTCTAAGCACTACCAAGTGAAGCGCTGGGCGAGCTGACGCAAGAGCTTCAGAGTT 240  
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QY 1584 GCTCTCTATGCTTCATATTTCTTTTGGCCCTTGATGGATCTTTGTCTCTGAAAGAC 1643  
Db 1201 GCTCTCTATGCTTCATATTTCTTTTGGCCCTTGATGGATCTTTGTCTCTGAAAGAC 1260  
QY 1644 CTTTGAACAATTTGACCGTCGAGACCTGGATTTCTACCGTGGGTACACGACCGCTTT 1703  
Db 1261 CTTTGAACAATTTGACCGTCGAGACCTGGATTTCTACCGTGGGTACACGACCGCTTT 1320  
QY 1704 TGGGGCCATCTTTGCAAGACCTGGAGAGTCCACGCCATCTTCAAAAATGTGAAAATGAA 1763  
Db 1321 TGGGGCCATCTTTGCAAGACCTGGAGAGTCCACGCCATCTTCAAAAATGTGAAAATGAA 1380  
QY 1764 GAAGAAGATCATCAAGGACCAAGAACTGCTTGTGATGCTGGGGGCGATGCTGTGATCGA 1823  
Db 1381 GAAGAAGATCATCAAGGACCAAGAACTGCTTGTGATGCTGGGGGCGATGCTGTGATCGA 1440  
QY 1824 CTTGTGTATCTGATCTGCTGGCAGCTGTGGACCCCTCGGAAGCAGCAGTGAAGTA 1883  
Db 1441 CTTGTGTATCTGATCTGCTGGCAGCTGTGGACCCCTCGGAAGCAGCAGTGAAGTA 1500  
QY 1884 CAGCATGGAGCCGACCCAGCAGACGGGATATCTCCATCCGCCCTCTCTCTGGAGACTG 1943  
Db 1501 CAGCATGGAGCCGACCCAGCAGACGGGATATCTCCATCCGCCCTCTCTCTGGAGACTG 1560  
QY 1944 TGAGAACCCCATATGACCATCTGGCTTGGCATGCTTATGCTTACAGGGAATTTCTCAT 2003  
Db 1561 TGAGAACCCCATATGACCATCTGGCTTGGCATGCTTATGCTTACAGGGAATTTCTCAT 1620  
QY 2004 GTTGTTCGGTGTGTTCTTACCTTGGGAGACCCGACAGCTCAGCATCCCGCACTCAACGA 2063  
Db 1621 GTTGTTCGGTGTGTTCTTACCTTGGGAGACCCGACAGCTCAGCATCCCGCACTCAACGA 1680  
QY 2064 CAGCAAGTACATCGGATGAGTGTCTACAACTGGGGGATCATGTGATCATATCGGGCCGC 2123  
Db 1681 CAGCAAGTACATCGGATGAGTGTCTACAACTGGGGGATCATGTGATCATATCGGGCCGC 1740

QY 2124 TGTCTCTCTTCTGACCCCGGACACGCCCAATCTGCAGTTCTGCATCGTGGCTCTGCTCAT 2183  
Db 1741 TGTCTCTCTTCTGACCCCGGACACGCCCAATCTGCAGTTCTGCATCGTGGCTCTGCTCAT 1800  
QY 2184 CATCTTCTGACGACCATCACCTCTGCTGCTGATTTCTGTCGCGAAGCTCATCACCCCTGAG 2243  
Db 1801 CATCTTCTGACGACCATCACCTCTGCTGCTGATTTCTGTCGCGAAGCTCATCACCCCTGAG 1860  
QY 2244 AACAAACCCAGATGACGCAACCGCAAGAGGCGATTTCCAGTTTCACTTCAGAAATCAGAAGAA 2303  
Db 1861 AACAAACCCAGATGACGCAACCGCAAGAGGCGATTTCCAGTTTCACTTCAGAAATCAGAAGAA 1920  
QY 2304 AGAAGATTCTAAAAAGTTCACCTCGGTACACCTGAGTGAACCAAGCCAGCACATCCCGCCT 2363  
Db 1921 AGAAGATTCTAAAAAGTTCACCTCGGTACACCTGAGTGAACCAAGCCAGCACATCCCGCCT 1980  
QY 2364 GGAGGSCCTACAGTACAGAAACCATCGCTCGGAATGAAGATCACAGAGCTGGATAAAGA 2423  
Db 1981 GGAGGSCCTACAGTACAGAAACCATCGCTCGGAATGAAGATCACAGAGCTGGATAAAGA 2040  
QY 2424 CTTTGAAGAGGTCAACCATGACGTCGAGGACACACCCAGAAAAAGACCCTTACATTAAACA 2483  
Db 2041 CTTTGAAGAGGTCAACCATGACGTCGAGGACACACCCAGAAAAAGACCCTTACATTAAACA 2100  
QY 2484 GAACCACTACCAAGAGTCAATGACATCTCAACCTGGGAAAATTTCACTGAGAGCACAGA 2543  
Db 2101 GAACCACTACCAAGAGTCAATGACATCTCAACCTGGGAAAATTTCACTGAGAGCACAGA 2160  
QY 2544 TGGAGAAAGGGCCATTTTAAAAATCACCTCGATCAAAATCCCCAGCTACAGTGGAAACAC 2603  
Db 2161 TGGAGAAAGGGCCATTTTAAAAATCACCTCGATCAAAATCCCCAGCTACAGTGGAAACAC 2220  
QY 2604 AACAGAGCCCTCTCGAACATGCAAGATCCTATAGAAGATATAAACTTCCAGAAACAT 2663  
Db 2221 AACAGAGCCCTCTCGAACATGCAAGATCCTATAGAAGATATAAACTTCCAGAAACAT 2280  
QY 2664 CCAGCGTGGCTGTCCCTCCAGTCCCATCTCCACACGCTTACCTCCCATCCATCGG 2723  
Db 2281 CCAGCGTGGCTGTCCCTCCAGTCCCATCTCCACACGCTTACCTCCCATCCATCGG 2340  
QY 2724 AGCGTGGACGCGCAGCTGTGTGAGCCCTCGCTCAGCCCGCCAGCCGCGCCGACACAG 2783  
Db 2341 AGCGTGGACGCGCAGCTGTGTGAGCCCTCGCTCAGCCCGCCAGCCGCGCCGACACAG 2400  
QY 2784 ACATGTGCCACCTCTCTCCGAGTCAATGCTTCGGGCGCTG 2823  
Db 2401 ACATGTGCCACCTCTCTCCGAGTCAATGCTTCGGGCGCTG 2440

## RESULT 15

US-09-826-508-25  
; Sequence 25, Application US/09826508  
; Patent No. US2001002509A1  
; GENERAL INFORMATION:  
; APPLICANT: Nabil Elshourbagy  
; APPLICANT: Lisa Vawter  
; TITLE OF INVENTION: G Protein-Coupled Receptor Polypeptides  
; TITLE OF INVENTION: and Polynucleotides  
; FILE REFERENCE: Gp-70744USB  
; CURRENT APPLICATION NUMBER: US/09/826,508  
; CURRENT FILING DATE: 2001-04-05  
; NUMBER OF SEQ ID NOS: 40  
; SOFTWARE: FastSeq for Windows Version 3.0  
; SEQ ID NO 25  
; LENGTH: 2700  
; TYPE: DNA  
; ORGANISM: HOMO SAPIENS  
US-09-826-508-25

Query Match 85.3%; Score 2409.4; DB 9; Length 2700;  
Best Local Similarity 92.8%; Pred. No. 0;  
Matches 2621; Conservative 0; Mismatches 1; Indels 201; Gaps 1;





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Db      1990  |||||TTCTGCATCGGCTCTGGTCAATCTTCTGCAGACCATCACCCCTCTGCCCTGGTATTC 2049
Qy      2221  GTGCCGAAGCTCATCACCCCTGAGAACAAACCCAGATGCAGCAACAGCGACGCGATTC 2280
Db      2050  GTGCCGAAGCTCATCACCCCTGAGAACAAACCCAGATGCAGCAACAGCGACGCGATTC 2109
Qy      2281  CAGTTCACTCAGAAATCAGAGAAGAAGATTCTAAACGTCACCTCGGTCAACAGTG 2340
Db      2110  CAGTTCACTCAGAAATCAGAGAAGAAGATTCTAAACGTCACCTCGGTCAACAGTG 2169
Qy      2341  AACCAAGCCAGCATCCCGCTGGAGGGCTACAGTCAGAAACCATCGCCTGCGAATG 2400
Db      2170  AACCAAGCCAGCATCCCGCTGGAGGGCTACAGTCAGAAACCATCGCCTGCGAATG 2229
Qy      2401  AAGATCAAGAGCTGGATAAAGACTTTGGAAGAGGTCAACATGCAGCTGCAGGACACACCA 2460
Db      2230  AAGATCAAGAGCTGGATAAAGACTTTGGAAGAGGTCAACATGCAGCTGCAGGACACACCA 2289
Qy      2461  GAAAGACCACTACATTAACAGAACCACTACAAAGAGCTCAATGACATCCTCAACCTG 2520
Db      2290  GAAAGACCACTACATTAACAGAACCACTACAAAGAGCTCAATGACATCCTCAACCTG 2349
Qy      2521  GGAACCTTCACTGAGAGCAGATGGAGGAAGGCCATTTTAAAAAATCACCTCGATCAA 2580
Db      2350  GGAACCTTCACTGAGAGCAGATGGAGGAAGGCCATTTTAAAAAATCACCTCGATCAA 2409
Qy      2581  AATCCCCAGCTACAGTGGAAACAACAGAGCCCTCTCGAACATGCAAGATCCTATAGAA 2640
Db      2410  AATCCCCAGCTACAGTGGAAACAACAGAGCCCTCTCGAACATGCAAGATCCTATAGAA 2469
Qy      2641  GATATAAATCTCCAGAAACATCCAGCGTCGGGTGTCCCTCCAGCTCCCGCATCCTCCAC 2700
Db      2470  GATATAAATCTCCAGAAACATCCAGCGTCGGGTGTCCCTCCAGCTCCCGCATCCTCCAC 2529
Qy      2701  CAGCGCTACCTCCCATCCATCGGAGCGTGGAGCCAGCTGTGTCAGCCCTCGGTCAAG 2760
Db      2530  CAGCGCTACCTCCCATCCATCGGAGCGTGGAGCCAGCTGTGTCAGCCCTCGGTCAAG 2589
Qy      2761  CCCACGCCAGCCCGGCCACAGACATGTGCCACCCCTCCTTCGAGTCAATGGTCTCGGGC 2820
Db      2590  CCCACGCCAGCCCGGCCACAGACATGTGCCACCCCTCCTTCGAGTCAATGGTCTCGGGC 2649
Qy      2821  CTG 2823
Db      2650  CTG 2652
```

Search completed: June 4, 2004, 06:18:54  
Job time : 1130.09 secs





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Db 301 RCURKLLAMEGYIGVDFPEPLSSKQIKTISGTPQOYEREYNNKSGVGPSPKFGHYAD 360
QY 361 GIWVIKTLQAMETLHASSRHQRIQDFNYTDHTLGRILILNAMNETNFFGVTGQVVRNG 420
Db 361 GIWVIKTLQAMETLHASSRHQRIQDFNYTDHTLGRILILNAMNETNFFGVTGQVVRNG 420
QY 421 ERMGTKFTQFQDSREVKVGYNVADTLEIINDTIRFQSGSEPPKDKTIILEOLRKISLP 480
Db 421 ERMGTKFTQFQDSREVKVGYNVADTLEIINDTIRFQSGSEPPKDKTIILEOLRKISLP 480

RESULT 2
US-09-183-253-2
; Sequence 2, Application US/09183253
; Patent No. 6043054
; GENERAL INFORMATION:
; APPLICANT: VAWTER, LIJA
; APPLICANT: STAMMERS, MELANIE
; TITLE OF INVENTION: NOVEL COMPOUNDS
; NUMBER OF SEQUENCES: 4
; CORRESPONDENCE ADDRESS:
; ADDRESSEE: Ratner & Prestia
; STREET: P.O. Box 980
; CITY: Valley Forge
; STATE: PA
; COUNTRY: USA
; ZIP: 19482
; COMPUTER READABLE FORM:
; MEDIUM TYPE: Diskette
; COMPUTER: IBM Compatible
; OPERATING SYSTEM: DOS
; SOFTWARE: FastSeq for Windows Version 2.0
; CURRENT APPLICATION DATA:
; APPLICATION NUMBER: US/09/183,253
; FILING DATE: 30-OCT-1998
; CLASSIFICATION:
; PRIOR APPLICATION DATA:
; APPLICATION NUMBER: 9817907.0
; FILING DATE: 17-AUG-1998
; APPLICATION NUMBER: 60/075,306
; FILING DATE: 20-FEB-1998
; ATTORNEY/AGENT INFORMATION:
; NAME: Prestia, Paul F
; REGISTRATION NUMBER: 23,031
; REFERENCE/DOCKET NUMBER: GP-70395
; TELECOMMUNICATION INFORMATION:
; TELEPHONE: 610-407-0700
; TELEFAX: 610-407-0700
; TELEX: 846169
; INFORMATION FOR SEQ ID NO: 2:
; SEQUENCE CHARACTERISTICS:
; LENGTH: 859 amino acids
; TYPE: amino acid
; STRANDEDNESS: single
; TOPOLOGY: linear
; MOLECULE TYPE: protein
US-09-183-253-2

Query Match 80.1%; Score 2038.5; DB 3; Length 859;
Best Local Similarity 85.6%; Pred. No. 7.6e-180;
Matches 397; Conservative 0; Mismatches 0; Indels 67; Gaps 1;

QY 17 PPPPARLLLLLLLLLPLAPGAWGARGAPRPPSSPPLSINGMLPLTKEVAKSIGRG 76
Db 2 PPPPARLLLLLLLLLPLAPGAWGARGAPRPPSSPPLSINGMLPLTKEVAKSIGRG 61
QY 77 VLPVELAIBQIRNESLLRPFYFLDLRYDTECDNAKGLKAFYDAIKYGNHLMVFGVCP 136
Db 62 VLPVELAIBQIRNESLLRPFYFLDLRYDTECDNAKGLKAFYDAIKYGNHLMVFGVCP 121
QY 137 SVTISIIESLOGNVLQLSFAATTPVLADKKKYPFFRTVPDSNAPNPAIKLLKHQWK 196
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Db 122 SVTISIIESLOGNVLQLSFAATTPVLADKKKYPFFRTVPDSNAPNPAIKLLKHQWK 181
QY 197 RVGTLTQDVQRFSEVRNDLTGVLYGEDIIEISTESFSNDPCTSVKLLKNDVRIILGQPD 256
Db 182 RVGTLTQDVQRFSEVRNDLTGVLYGEDIIEISTESFSNDPCTSVKLLKNDVRIILGQPD 241
QY 257 QNMAAKVFCCAYEENNYGSKYQWIIIPGWYEPSWQVHTTEANSSRLCRKLLAAMEGYIG 316
Db 242 QNMAAKVFCC----- 251
QY 317 VDFEPLSSKQIKTISGTPQOYEREYNNKRSVGPSPKFGHYADGIWVIKTLQAMETL 376
Db 252 -----TPQOYEREYNNKRSVGPSPKFGHYADGIWVIKTLQAMETL 294
QY 377 HASSRHQRIQDFNYTDHTLGRILILNAMNETNFFGVTGQVVRNGERMGTIKFTQFQDSRE 436
Db 295 HASSRHQRIQDFNYTDHTLGRILILNAMNETNFFGVTGQVVRNGERMGTIKFTQFQDSRE 354
QY 437 VKVGEYNVADTLEIINDTIRFQSGSEPPKDKTIILEOLRKISLP 480
Db 355 VKVGEYNVADTLEIINDTIRFQSGSEPPKDKTIILEOLRKISLP 398

RESULT 3
US-09-422-936-47
; Sequence 47, Application US/09422936
; Patent No. 6465213
; GENERAL INFORMATION:
; APPLICANT: Ekstrand, Jonas
; TITLE OF INVENTION: NEW NUCLEOTIDE SEQUENCES
; FILE REFERENCE: 06275-165002
; CURRENT APPLICATION NUMBER: US/09/422,936
; CURRENT FILING DATE: 1999-10-22
; PRIOR APPLICATION NUMBER: US 09/242,608
; PRIOR FILING DATE: 1999-02-19
; PRIOR APPLICATION NUMBER: PCT/SE98/01947
; PRIOR FILING DATE: 1998-10-27
; PRIOR APPLICATION NUMBER: SWEDEN 9703914-2
; PRIOR FILING DATE: 1997-10-27
; PRIOR APPLICATION NUMBER: SWEDEN 9800864-2
; PRIOR FILING DATE: 1998-03-16
; PRIOR APPLICATION NUMBER: SWEDEN 9802575-2
; PRIOR FILING DATE: 1998-07-17
; NUMBER OF SEQ ID NOS: 85
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 47
; LENGTH: 844
; TYPE: PRT
; ORGANISM: Rattus norvegicus
US-09-422-936-47

Query Match 26.3%; Score 668; DB 4; Length 844;
Best Local Similarity 33.7%; Pred. No. 6.2e-53;
Matches 165; Conservative 93; Mismatches 191; Indels 40; Gaps 14;

QY 10 PGGPPPPPPPPPARLLLLLLLLLPLAPG-ANGWARGA---PRPPSSPP-----LS 57
Db 3 PGGPCTPVGWP-----LPLLLYMAAGVAPVWASHPSPLPRPHRPVPHPSERRAYV 54
QY 58 INGLMPLTKEVAKSIGRGVLPVELAIBQIRN-ESLLRPYFLDLRLYDTECDNAKGLKA 116
Db 55 IGALEFMS---GGWFGGQACQPAVEALEVDVNSRRDILPDYELKLHHSKCDPGQATKY 111
QY 117 FYDAIKYGNHLMVFGVCPSVTSIIAESLOGNVLQLSFAATTPVLADKKKYPFFRTV 176
Db 112 LVELLYNDPIKILMPG-CSSVSTLVAEAARMNLIVLSYGSSSPALSNRQRPFFRTH 170
QY 177 PSDNAPNPAIKLLKHQWKRVGTITQDVORSEVRNDLTGVLYGEDIIEISTESFSNDP 236
Db 171 PSATLHNPTRVKLFKKGWKKIATIQQTTEVFTSLDDLEERVKBAGIEITFRQSFSDP 230
QY 237 CTSVKLLKNDVRIILGQFDQNNAAKVFCCAYEENNYGSKYQWIIIPGWYEPSWQVHT 296
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Db 231 AVPVKLNKRQDARIIVGLFYETEARKVCFEYKERLFGKKYVWFLIGWADNWK---TY 287  
QY 297 ANSSRCLRNKLLAAMEGYIGVDFEPLSSKQIKTISGKTPOQYERENYNNKSGVPSKFG 356  
Db 288 DPSINCTVEMTBAGEHITTEIWMNPANTRISNMTSQEFV-EKLTNKLKRHPETGG 346  
QY 357 Y-----AYDGIWIAKTLQAMETLHASSRH-ORIQDFNYDHTLGRILNAMNETNFFG 410  
Db 347 FQAPLAYDAIWLALANK--TSGGGRSGVRLEDFNNQITDQIYRAMNSSSFG 403  
QY 411 VTCQVVF-RNGERMGTIKTFQDQSRVKKVGEYNAVADTLEIINDTIRFOGSEPPPKDKTI 469  
Db 404 VSGHVDFDASGRMAWTLIEQLQGSYKIGYDSTKDDLS-WSKTDKMGIGSPADQTL 462  
QY 470 ILQRLAKIS 478  
Db 463 VIKTRFLS 471

## RESULT 4

US-09-422-936-51  
; Sequence 51, Application US/09422936  
; Patent No. 6465213  
; GENERAL INFORMATION:  
; APPLICANT: Ekstrand, Jonas  
; TITLE OF INVENTION: NEW NUCLEOTIDE SEQUENCES  
; FILE REFERENCE: 06275-165002  
; CURRENT APPLICATION NUMBER: US/09/422,936  
; CURRENT FILING DATE: 1999-10-22  
; PRIOR APPLICATION NUMBER: US 09/242,608  
; PRIOR FILING DATE: 1999-02-19  
; PRIOR APPLICATION NUMBER: PCT/SE98/01947  
; PRIOR FILING DATE: 1998-10-27  
; PRIOR APPLICATION NUMBER: SWEDEN 9703914-2  
; PRIOR FILING DATE: 1997-10-27  
; PRIOR APPLICATION NUMBER: SWEDEN 9800864-2  
; PRIOR FILING DATE: 1998-03-16  
; PRIOR APPLICATION NUMBER: SWEDEN 9802575-2  
; PRIOR FILING DATE: 1998-07-17  
; NUMBER OF SEQ ID NOS: 85  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 51  
; LENGTH: 844  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-422-936-51

Query Match 25.4%; Score 647; DB 4; Length 844;  
Best Local Similarity 33.4%; Pred. No. 5.5e-51;  
Matches 157; Conservative 93; Mismatches 188; Indels 32; Gaps 13;  
QY 29 LPPLLLPLAG-AWCWARGA---PRPPSPSP-----LSIMGLMPLTKVAKSGIRG 76  
Db 14 LPLLVMAAGVAPVWASHSPHLPRHSRVPHPSPSSERRAVYIGALFPMs---GGMVGGQA 70  
QY 77 VLPVAVELATEIQRN-ESLRLPYFLDLRLYDTECDNAKGLKAFYDAIKYGNHLMVFGVC 135  
Db 71 CQPAVEMALDVSRRDILPDYELKLIHDSKDCPCQATKYLYELLYNDPIKILMPG-C 129  
QY 136 PSVTSIIAESLOGNVLQVLSFAATTPLVADKKKYVFFRTVPDSNVAVNPAILKLLKHQYQ 195  
Db 130 SSVSTLVAEARMWNLIVLSYSSSPALSNRQRPFTFRTHPSATLHNTRVKLPEKMGW 189  
QY 196 KRVGTLTQDQVRFSEVRNDLTGVLYGEDIEISDTESFSDNDPCTSVKLLKGNDRVRIILGOF 255  
Db 190 KKIATIQOTTEVFTSTLDDLEERVKAEIGIEITRQSFSDPAVPVKNLKRQDARIIVGLF 249  
QY 256 DONMAAKVFCAYEENMYGSKYQWIIIPGWYPSWQVHTEANSSRCLRNKLLAAMEGYI 315  
Db 250 YETEARKVCFEYKERLFGKKYVWFLIGWADNWKIYDPSIN---CTVDETEAVEGHITTE 306  
QY 316 GVDPEPLSSKQIKTISGKTPOQYERENYNNKSGVPSKFGHY-----AYDGIWIAKTLQ 370

Db 307 TTEIVMLNPANTRISNMTSQEFV-EKLTNKLKRHPETGGFQEAFLAYDAIWLALANK 365  
QY 371 RAMETLHASSRH-ORIQDFNYDHTLGRILNAMNETNFFGTVGVVF-RNGERMGTIKF 428  
Db 366 K---TSGGGRSGVRLEDFNNQITDQIYRAMNSSSFGVGHVVFDPASGRMAWTLI 422  
QY 429 TQFQDSREVKVGEYNAVADTLEIINDTIRFOGSEPPPKDKTIILEQLRKIS 478  
Db 423 EQLQGSYKIGYDSTKDDLS-WSKTDKMGIGSPADQTLVIKTRFLS 471

## RESULT 5

US-09-422-936-77  
; Sequence 77, Application US/09422936  
; Patent No. 6465213  
; GENERAL INFORMATION:  
; APPLICANT: Ekstrand, Jonas  
; TITLE OF INVENTION: NEW NUCLEOTIDE SEQUENCES  
; FILE REFERENCE: 06275-165002  
; CURRENT APPLICATION NUMBER: US/09/422,936  
; CURRENT FILING DATE: 1999-10-22  
; PRIOR APPLICATION NUMBER: US 09/242,608  
; PRIOR FILING DATE: 1999-02-19  
; PRIOR APPLICATION NUMBER: PCT/SE98/01947  
; PRIOR FILING DATE: 1998-10-27  
; PRIOR APPLICATION NUMBER: SWEDEN 9703914-2  
; PRIOR FILING DATE: 1997-10-27  
; PRIOR APPLICATION NUMBER: SWEDEN 9800864-2  
; PRIOR FILING DATE: 1998-03-16  
; PRIOR APPLICATION NUMBER: SWEDEN 9802575-2  
; PRIOR FILING DATE: 1998-07-17  
; NUMBER OF SEQ ID NOS: 85  
; SOFTWARE: FastSeq for Windows Version 4.0  
; SEQ ID NO 77  
; LENGTH: 886  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-09-422-936-77

Query Match 25.0%; Score 637; DB 4; Length 886;  
Best Local Similarity 31.1%; Pred. No. 5e-50;  
Matches 164; Conservative 93; Mismatches 184; Indels 86; Gaps 16;  
QY 23 LLLLLLLPLLLPLAGWARGAPRPPSS-----PP-----LSIMGL 61  
Db 2 LLLLLLAPL-L-RPPG-----AGCAQTNPATSGCQIIHPWEGGIRYRGLTRDQVKAIF 56  
QY 62 MPLTKEV-----AKGS-----IGRVLP 79  
Db 57 LPVDVEIEYVCRGEREVGVKVRKCLANGSWTMDTPSRVCNRTPHSERRAVVIG-ALFP 115  
QY 80 AVELAIEQIRN-ESLRLPYFLDLRLYDTECDNAKGLKAFYDAIKYGNHLMVFGVCPSV 138  
Db 116 AVEMALEDVNSRRDILPDYELKLIHDSKDCPCQATKYLYELLYNDPIKILMPG-CSSV 174  
QY 139 TSIIAESLOGNVLQVLSFAATTPLVADKKKYVFFRTVPDSNVAVNPAILKLLKHQYQKRV 198  
Db 175 STLVAEARMWNLIVLSYSSSPALSNRQRPFTFRTHPSATLHNTRVKLPEKMGWKKI 234  
QY 199 GTLTQDQVRFSEVRNDLTGVLYGEDIEISDTESFSDNDPCTSVKLLKGNDRVRIILGOFDQ 258  
Db 235 ATIQTTEVFTSTLDDLEERVKAEIGIEITRQSFSDPAVPVKNLKRQDARIIVGLFYET 294  
QY 259 MAAKVFCAYEENMYGSKYQWIIIPGWYPSWQVHTEANSSRCLRNKLLAAMEGYIGVD 318  
Db 295 EARKVCFEYKERLFGKKYVWFLIGWADNWKIYDPSIN---CTVDETEAVEGHITTE 351  
QY 319 FEPLSSKQIKTISGKTPOQYERENYNNKSGVPSKFGHY-----AYDGIWIAKTLQAM 373  
Db 352 IWMNPANTRISNMTSQEFV-EKLTNKLKRHPETGGFQEAFLAYDAIWLALANK-- 408  
QY 374 ETLHASSRH-ORIQDFNYDHTLGRILNAMNETNFFGTVGVVF-RNGERMGTIKTFQF 431



```

US-09-422-936-45
; PRIOR FILING DATE: 1998-10-27
; PRIOR APPLICATION NUMBER: SWEDEN 9703914-2
; PRIOR FILING DATE: 1997-10-27
; PRIOR APPLICATION NUMBER: SWEDEN 9800864-2
; PRIOR FILING DATE: 1998-03-16
; PRIOR APPLICATION NUMBER: SWEDEN 9802575-2
; PRIOR FILING DATE: 1998-07-17
; NUMBER OF SEQ ID NOS: 85
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 53
; LENGTH: 964
; TYPE: PRT
; ORGANISM: Canis familiaris
US-09-422-936-53

Query Match 24.6%; Score 625; DB 4; Length 964;
Best Local Similarity 33.0%; Pred. No. 7.3e-49;
Matches 149; Conservative 91; Mismatches 185; Indels 26; Gaps 11;

QY 42 WARGAPRRPPSPPLS-----IMGLMPLTKEVAKSGISGRVGLPAVELAIEQIRN-BSLL 94
DB 153 WSTPKPHCQVSRTPHSERRAVVIGALFPMS---GWPGGQACQAPAVEMALDENVSRDIL 209
QY 95 RPYFLDLRLYTECDNAKGLKAFYDAIKYGNHLMVFGVCPSTYSIIAESLQGNLVLQ 154
DB 210 PDYELKLIHDSKCDPGQATKYLYELLYNDPIKILMPG-CSSVSTLVAAEARMNLIVL 268
QY 155 SFAATTPVLADKKYPYFRFTVPDSNANVPAILKLLKHQYKRVGTTLTQDVQRFSEVRND 214
DB 269 SYGSSSPALSNQRPFRTFRTHPSATLHNPRVKLFKXGWRKATATQQTTEVFTSLDD 328
QY 215 LTGVLYGEDIEISDTESFNDCPTSVKKLKGNDVRIILGQFDQDNMAAKVFCAYEENMYG 274
DB 329 LEERVKEAGIEITPQSFPSDPAPVPKVKRQDARIIVGLFVETEARKVCEVYKERLFG 388
QY 275 SKYQWIIIPGWYPSWWEQVHTSEANSRCLRNKLLAAMEGYIGVDFEPLSSKQIKTISGKT 334
DB 389 KKYVWFLGWYADNWFK---TYDPSINCTVDTEAVEGHITTEIVMLNPANTRISNMT 445
QY 335 PQOYERENYKRGSGVPSKFGY-----AYDGIWVIKTLORAMETLHASRRH-ORIQDF 388
DB 446 SQEFV-EKLTKLKRPHEETGGFQEAFLAYDAIWAALANK---TSGGSGRSGVRLDF 501
QY 389 NYTDHTLGRILNANMETNFFGVGTQGVVF-RNGERMGTIKFTQFQDSREVKVGYNAVAD 447
DB 502 NYNNQITDQIVRAMNSSFEGVSHVVFDASGRMAWTLLIEQLQGGSYKKIGYDSTKD 561
QY 448 TLEINDTIRFGSPEPPKDKTIIILEQLRKIS 478
DB 562 DLS-WSKTDKWIGGAPPADQTLVIKTRFMS 591

RESULT 10
US-09-422-936-49
; Sequence 49, Application US/09422936
; Patent No. 6465213
; GENERAL INFORMATION:
; APPLICANT: Ekstrand, Jonas
; TITLE OF INVENTION: NEW NUCLEOTIDE SEQUENCES
; FILE REFERENCE: 06275-165002
; CURRENT APPLICATION NUMBER: US/09/422.936
; CURRENT FILING DATE: 1999-10-22
; PRIOR APPLICATION NUMBER: US 09/242,608
; PRIOR FILING DATE: 1999-02-19
; PRIOR APPLICATION NUMBER: PCT/SE98/01947
; PRIOR FILING DATE: 1998-10-27
; PRIOR APPLICATION NUMBER: SWEDEN 9703914-2
; PRIOR FILING DATE: 1997-10-27
; PRIOR APPLICATION NUMBER: SWEDEN 9800864-2
; PRIOR FILING DATE: 1998-03-16
; PRIOR APPLICATION NUMBER: SWEDEN 9802575-2
; PRIOR FILING DATE: 1998-07-17
; NUMBER OF SEQ ID NOS: 85
US-09-422-936-45
; PRIOR FILING DATE: 1998-10-27
; PRIOR APPLICATION NUMBER: SWEDEN 9703914-2
; PRIOR FILING DATE: 1997-10-27
; PRIOR APPLICATION NUMBER: SWEDEN 9800864-2
; PRIOR FILING DATE: 1998-03-16
; PRIOR APPLICATION NUMBER: SWEDEN 9802575-2
; PRIOR FILING DATE: 1998-07-17
; NUMBER OF SEQ ID NOS: 85
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 45
; LENGTH: 960
; TYPE: PRT
; ORGANISM: Rattus norvegicus
US-09-422-936-45

Query Match 24.7%; Score 627.5; DB 4; Length 960;
Best Local Similarity 34.1%; Pred. No. 4.3e-49;
Matches 141; Conservative 88; Mismatches 167; Indels 17; Gaps 9;

QY 74 GRGVLPAVELAIEQIRN-BSLLRPYFLDLRLYTECDNAKGLKAFYDAIKYGNHLMVFG 132
DB 184 GQACQAPAVEMALDENVSRDILPDYELKLIHDSKCDPGQATKYLYELLYNDPIKILMP 243
QY 133 GVCPSVTSIIAESLQGNLVLQSPFAATPVLADKKYPYFRFTVPDSNANVPAILKLLKH 192
DB 244 G-CSSVSTLVAAEARMNLIVLSYGSSSPALSNQRPFRTFRTHPSATLHNPRVKLFEX 302
QY 193 YQWKRVGTTLTQDVQRFSEVRNDLTGVLYGEDIEISDTESFNDCPTSVKKLKGNDVRIIL 252
DB 303 WGKWKIATATQQTTEVFTSLDDLEERVKEAGIEITPQSFPSDPAPVPKVKRQDARIIV 362
QY 253 GQFDQDNMAAKVFCAYEENMYGSKYQWIIIPGWYPSWWEQVHTSEANSRCLRNKLLAAME 312
DB 363 GLFYETEARKVCEVYKERLFGCKYVWFLGWYADNWFK---TYDPSINCTVTEWTEAVE 419
QY 313 GYIGVDPEPLSSKQIKTISGKTPOQYERENYKRGSGVPSKFGY-----AYDGIWVIK 367
DB 420 GHITTEIVMLNPANTRISNMTSOFV-EKLTKLKRPHEETGGFQEAFLAYDAIWAAL 478
QY 368 TLORAMETLHASRRH-ORIQDENYTDHTLGRILNANMETNFFGVGTQGVVF-RNGERMGT 425
DB 479 ALNK---TSGGSGRSGVRLDFNYNNQITDQIVRAMNSSFEGVSHVVFDASGRMAW 535
QY 426 IKFTQFQDSREVKVGYNAVADTLBIINDTIRFGSPEPPKDKTIIILEQLRKIS 478
DB 536 TLEIQLQGGSYKKIGYDSTKDDLS-WSKTDKWIGGSPPADQTLVIKTRFELS 587

RESULT 9
US-09-422-936-53
; Sequence 53, Application US/09422936
; Patent No. 6465213
; GENERAL INFORMATION:
; APPLICANT: Ekstrand, Jonas
; TITLE OF INVENTION: NEW NUCLEOTIDE SEQUENCES
; FILE REFERENCE: 06275-165002
; CURRENT APPLICATION NUMBER: US/09/422.936
; CURRENT FILING DATE: 1999-10-22
; PRIOR APPLICATION NUMBER: US 09/242,608
; PRIOR FILING DATE: 1999-02-19
; PRIOR APPLICATION NUMBER: PCT/SE98/01947

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Db 307 TTEIVMLNPANTRSIENMTSQEFV-EKLTAKLRKHPEETGGFOEAPLAYDAIWAALALN 365
QY 371 RAMETLHASSRH-QRIODENYTDHTLGRILLAMNETNFFGVGTGVV-F-RNGERMCTIKF 428
Db 366 K---TSGGGRSGVRLEDFNNYNTITDQIYRAMNSSFEVSGHVVFDASGRMAWTLI 422
QY 429 TQFQDSREVKVGEYNVADTLEIINDTIRFQSEPPKDKTIIIEQ 473
Db 423 EQLQGGSYKKIGYDSTKDDL-----SWSKTDKWIVSR 456

RESULT 13
US-09-422-936-59
; Sequence 59, Application US/09422936
; Patent No. 6465213
; GENERAL INFORMATION:
; APPLICANT: Ekstrand, Jonas
; TITLE OF INVENTION: NEW NUCLEOTIDE SEQUENCES
; FILE REFERENCE: 06275-165002
; CURRENT APPLICATION NUMBER: US/09/422,936
; CURRENT FILING DATE: 1999-10-22
; PRIOR FILING DATE: 1999-02-19
; PRIOR APPLICATION NUMBER: PCT/SE98/01947
; PRIOR FILING DATE: 1998-10-27
; PRIOR FILING DATE: 1998-03-16
; PRIOR APPLICATION NUMBER: SWEDEN 9800864-2
; PRIOR FILING DATE: 1997-10-27
; PRIOR FILING DATE: 1998-07-17
; NUMBER OF SEQ ID NOS: 85
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 59
; LENGTH: 581
; TYPE: PRT
; ORGANISM: Canis familiaris
US-09-422-936-59

Query Match 23.3%; Score 592.5; DB 4; Length 581;
Best Local Similarity 33.4%; Pred. No. 3.4e-46;
Matches 141; Conservative 82; Mismatches 174; Indels 25; Gaps 10;

QY 42 MARGAPRPPSPPLS-----IMGLMPLTKEVAKSGIGVLPAYVELAIQIRN-ESLL 94
Db 153 WSTPRHCQVSTPHSERRAVYIGALFPMSS---GMPGGQACQAPAVEMALEDVNSRRDL 209
QY 95 RPYFLDLRLDYTECDNAKGLKAFYDAIKYGNHLMVFGVCPVSTSIIESLQGNLVOL 154
Db 210 PVELKLIHDSKCDPGQATKYLYELLYNDPIKILMPG-CSSVSTLVAEAAARMNLIYL 268
QY 155 SFAATPVADKKKYPFRTPVPSDNAVNPAILKLLKHQWKRVGTLTQDVQRFSEVRND 214
Db 269 SYGSSSPALSNRQFFTFRTHPSATLHNPTRVKLFKMGWRKIATIQTTTEFTSTLDD 328
QY 215 LTCVLGEDIETSDTSPNDPCTSVKLGKNDVRIILGOFQDNMAKVFCCAYENMYG 274
Db 329 LEERVKEAGIEITFROSFSDPAPVKNLKRQDARIIVGLFYETEARKEVFCVYKERLFG 388
QY 275 SKYQWIIPGWYPSWMEQVHTEANSRCLRNKLLAAMEGYIGVDPEPLSSKQIKTISGKT 334
Db 389 KKYVWFLIGYADNWFK---TYDPSINCTVDENTEAVEGHITTEIVMLNPANTRSIENMT 445
QY 335 PQOYEREYNNKRSVGSPKPHGY-----AYDGIWIVIAKTQRAMETLHASSRH-QRIQDF 388
Db 446 SQEFV-EKLTAKLRKHPEETGGFOEAPLAYDAIWAALALN---TSGGGRSGVRLEDF 501
QY 389 NYTDHTLGRILLAMNETNFFGVGTGVV-F-RNGERMGTIKFQFQDSREVKVGEYNVAD 447
Db 502 NNNQITITQIYRAMNSSFEVSGHVVFDASGRMAWTLEIQLQGGSYKKIGYDSTKD 561
QY 448 TL 449
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Db 562 DL 563

RESULT 14
US-09-422-936-55
; Sequence 55, Application US/09422936
; Patent No. 6465213
; GENERAL INFORMATION:
; APPLICANT: Ekstrand, Jonas
; TITLE OF INVENTION: NEW NUCLEOTIDE SEQUENCES
; FILE REFERENCE: 06275-165002
; CURRENT APPLICATION NUMBER: US/09/422,936
; CURRENT FILING DATE: 1999-10-22
; PRIOR FILING DATE: 1999-02-19
; PRIOR APPLICATION NUMBER: PCT/SE98/01947
; PRIOR FILING DATE: 1998-10-27
; PRIOR FILING DATE: 1997-10-27
; PRIOR APPLICATION NUMBER: SWEDEN 9800864-2
; PRIOR FILING DATE: 1998-03-16
; PRIOR APPLICATION NUMBER: SWEDEN 9802575-2
; PRIOR FILING DATE: 1998-07-17
; NUMBER OF SEQ ID NOS: 85
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 55
; LENGTH: 578
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-422-936-55

Query Match 23.2%; Score 590.5; DB 4; Length 578;
Best Local Similarity 33.3%; Pred. No. 5.2e-46;
Matches 136; Conservative 81; Mismatches 164; Indels 27; Gaps 9;

QY 74 GRGVLPAVELAIQIRN-ESLRLPYFLDLRLYTECDNAKGLKAFYDAIKYGNHLMVFG 132
Db 185 GOACQPAVEMALEDVNSRRDILPDVELKLIHDSKCDPGQATKYLYELLYNDPIKILMP 244
QY 133 GVCPSVTSIIAESLQGNLVOLSPAATTVLADKKKYPFRTPVPSDNAVNPAILKLLKH 192
Db 245 G-CSSVSTLVAEAAARMNLIYLSYSSSPALSNRQFFTFRTHPSATLHNPTRVKLF 303
QY 193 YQWKVGTLTQDVQRFSEVRNDLTGVLGEDIETSDTSPNDPCTSVKLGKNDVRIIL 252
Db 304 WQWKIATIQTTTEFTSTLDDLEERVKEAGIEITFROSFSDPAPVKNLKRQDARIIV 363
QY 253 GOFQDNMAKVFCCAYENMYGSKYQWIIPGWYPSWMEQVHTEANSRCLRNKLLAAME 312
Db 364 GLFYETEARKEVFCVYKERLFGKYVWFLIGYADNWFKIYDPSIN---CTVDEMTEAVE 420
QY 313 GVIQVDPEPLSSKQIKTISGKTPOQYEREYNNKRSVGSPKPHGY-----AYDGIWIVIAK 367
Db 421 GHITTEIVMLNPANTRSIENMTSQEFV-EKLTAKLRKHPEETGGFOEAPLAYDAIWAAL 479
QY 368 TLORAMETLHASSRH-QRIODENYTDHTLGRILLAMNETNFFGVGTGVV-F-RNGERMGT 425
Db 480 ALNK---TSGGGRSGVRLEDFNNYNTITDQIYRAMNSSFEVSGHVVFDASGRMAW 536
QY 426 IKFTQFQDSREVKVGEYNVADTLEIINDTIRFQSEPPKDKTIIIEQ 473
Db 537 TLIEQLQGGSYKKIGYDSTKDDL-----SWSKTDKWIVSR 573

RESULT 15
US-09-422-936-85
; Sequence 85, Application US/09422936
; Patent No. 6465213
; GENERAL INFORMATION:
; APPLICANT: Ekstrand, Jonas
; TITLE OF INVENTION: NEW NUCLEOTIDE SEQUENCES
; FILE REFERENCE: 06275-165002
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; CURRENT APPLICATION NUMBER: US/09/422,936
; CURRENT FILING DATE: 1999-10-22
; PRIOR APPLICATION NUMBER: US 09/242,608
; PRIOR FILING DATE: 1999-02-19
; PRIOR APPLICATION NUMBER: PCT/SE98/01947
; PRIOR FILING DATE: 1998-10-27
; PRIOR APPLICATION NUMBER: SWEDEN 9703914-2
; PRIOR FILING DATE: 1997-10-27
; PRIOR APPLICATION NUMBER: SWEDEN 9800864-2
; PRIOR FILING DATE: 1998-03-16
; PRIOR APPLICATION NUMBER: SWEDEN 9802575-2
; PRIOR FILING DATE: 1998-07-17
; NUMBER OF SEQ ID NOS: 85
; SOFTWARE: FastSeq for Windows Version 4.0
; SEQ ID NO 85
; LENGTH: 496
; TYPE: PRT
; ORGANISM: Homo sapiens
US-09-422-936-85

Query Match      22.0%; Score 558.5; DB 4; Length 496;
Best Local Similarity 29.5%; Pred. No. 3.8e-43;
Matches 155; Conservative 82; Mismatches 179; Indels 109; Gaps 16;

QY 23 LLLLLLLLPLLPAGAWGARGAPRPPSS-----PP-----LSIMGL 61
    ||||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 2  LLLLLLAPFL-RPPG-----AGGAQTFNATSEGCIIHPPEGGIYRGLTRDQVKAINF 56
    ||||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 62 MPLTKEV-----AKGS-----IGR 75
    ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 57 LPVDYIEYVCRGEREVGVKVKCLANGSWTDMDFPSRCVRCISKSYLTLENGKVFLLG 116
    ||||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 76 GVLPAVELAEQIENESLRLPYFLDLRLDYDECDNAKGLKAFYDAIKYGNHLMVFGGVC 135
    ||||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 117 GDLPALDGARVDFRCDP-----DFHL-----CDPGQATKLYLELYNDPIKIIMPG-C 164
    ||||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 136 PSVTSIIAESLQGNLVQLSFAATTPVLADKKKYPYFFRTVPSDNAVNPAILKLLKHQW 195
    ||||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 165 SSVSTLVAEAAARNWNLIVLSYSGSSPALSNRQRFPTFFRTHPSATLHNPTRVKLFKMGW 224
    ||||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 196 KRYGTLTQDVQRFSEVRNDLTGVLGEDIEISDESFSNDPCTSVKKLGNDVRIILGOF 255
    ||||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 225 KKIATIQQTTEVTSTLDDLEERVKEAGIEITFQSFFSDPAVPVKNLKKQDARIIVGLF 284
    ||||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 256 DQNAAKVFCAYENNYGSKYQWIIIPGWYEPQWVEQVHTEANSRCLRNKLLAAMEGYI 315
    ||||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 285 YETEARKVCEVYKERLFGKKYVWFLIGWYADNWFKIYDPSIN---CTVDEMTEAVEGHI 341
    ||||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 316 GVDPEPLSSKOIKTISGKTPOQYERENYNNKRSVGVPKSFHGY-----AYDGIWVIATLQ 370
    ||||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 342 TTEIVMLNPANTRISNMTSQEFV-EKLTKRLKRHPPEETGGFQGEAPLAYDAI WALALAN 400
    ||||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 371 RAMEITLHASSRH-QRIODFNNTDHTLGRITLNAAMETNPFQVTVGVVF-RNGERMGTIKF 428
    ||||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 401 K---TSGGGGRGVRLDFNFNNTTIDQIYRAMNSSFEVGVHVVFDASGSRMAWTLI 457
    ||||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
QY 429 TQFQDSREVKVGEYNVAVDTLEINDTIRFGSEPPPKDKTIIILEQ 473
    ||||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
Db 458 EQLQGGSYKKIGYVDSTKDDL-----SWSKTDKMWISR 491
    ||||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| ||| |||
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Search completed: June 1, 2004, 16:15:56  
Job time : 14.5116 secs



## SUMMARIES

Result No.	Score	Query %		Length	DB	ID	Description
		Match					
1	2544	100.0	941	9	US-09-818-879-47		Sequence 47, Appl
2	2544	100.0	941	9	US-09-211-7558-47		Sequence 47, Appl
3	2544	100.0	941	9	US-09-793-139-47		Sequence 47, Appl
4	2544	100.0	941	14	US-10-300-616-31		Sequence 31, Appl
5	2544	100.0	941	15	US-10-292-798-1464		Sequence 1464, A
6	2544	100.0	941	16	US-10-188-832-12		Sequence 12, App
7	2530	99.4	941	12	US-10-121-462-71		Sequence 71, App
8	2530	99.4	941	14	US-10-225-567A-436		Sequence 436, Ap
9	2530	99.4	941	15	US-10-295-027-26		Sequence 26, App
10	2530	99.4	941	15	US-10-295-027-722		Sequence 722, Ap
11	2433.5	95.7	940	9	US-09-818-879-4		Sequence 4, Appli
12	2433.5	95.7	940	9	US-09-211-7558-4		Sequence 4, Appli
13	2354	92.5	929	9	US-09-793-139-4		Sequence 4, Appli
14	2245	88.2	898	9	US-09-818-879-2		Sequence 2, Appli
15	2245	88.2	898	9	US-09-211-7558-2		Sequence 2, Appli

Db 121 IKYGP NHLMVFGGVCPSVT SIIAESLQGWNLVQLSFAATTPVLADKKKYPYFFRTVP SDN 180

QY 181 AVNPAILKLLKHQWKRVTGLTQDVORFSEVRNDLTGLVYGEDIEISDTESFNDPCTSV 240  
DB 181 AVNPAILKLLKHQWKRVTGLTQDVORFSEVRNDLTGLVYGEDIEISDTESFNDPCTSV 240  
QY 241 KKLKGNDRVRIILQGFQDNMAAKVFCAYBENMYGSKYQWIIIPGWYEPSSWWEQVHTEANSS 300  
DB 241 KKLKGNDRVRIILQGFQDNMAAKVFCAYBENMYGSKYQWIIIPGWYEPSSWWEQVHTEANSS 300  
QY 301 RCLRNKLLAAMEGYIGVDPEPLSSKQIKTISGKTPOQYERENYNNKSGVGPSPKFGHYAYD 360  
DB 301 RCLRNKLLAAMEGYIGVDPEPLSSKQIKTISGKTPOQYERENYNNKSGVGPSPKFGHYAYD 360  
QY 361 GIWVIKTLQAMETLHASSRHQRIQDFNYTDHTLGRILNANMETNFFGVTCQVVFRNG 420  
DB 361 GIWVIKTLQAMETLHASSRHQRIQDFNYTDHTLGRILNANMETNFFGVTCQVVFRNG 420  
QY 421 ERMGTIKFTQFQDSREVVKYGEYNAVADTLEIINDTIRFOGSEPPKDKTIILEOLRKISLP 480  
DB 421 ERMGTIKFTQFQDSREVVKYGEYNAVADTLEIINDTIRFOGSEPPKDKTIILEOLRKISLP 480  
RESULT 2  
US-09-211-755B-47  
; Sequence 47, Application US/09211755B  
; Patent No. US20020045742A1  
; GENERAL INFORMATION:  
; APPLICANT: Kenneth A. Jones, Thomas M. Laz, Beth Borowsky  
; TITLE OF INVENTION: DNA Encoding a GABAR2 Polypeptide And Uses Thereof  
; FILE REFERENCE: 1795/54002-D  
; CURRENT APPLICATION NUMBER: US/09/211,755B  
; CURRENT FILING DATE: 1998-12-15  
; PRIOR APPLICATION NUMBER: 09/186,664  
; PRIOR FILING DATE: 1998-11-04  
; NUMBER OF SEQ ID NOS: 56  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 47  
; TYPE: PRT  
; ORGANISM: human;  
US-09-211-755B-47  
Query Match 100.0%; Score 2544; DB 9; Length 941;  
Best Local Similarity 100.0%; Pred. No. 8.1e-204;  
Matches 480; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 MASPRSSGQGPPIPPPPPPARLLLLLLLLLPLLLPLAPGAWGARGAPRPPSPPLSIMG 60  
DB 1 MASPRSSGQGPPIPPPPPPARLLLLLLLLLPLLLPLAPGAWGARGAPRPPSPPLSIMG 60  
QY 61 LMPLTKEVAKSGIRGVLPAVELAIEQIRNESLRLRPYFLDLRLYTECDNAKGLKAFYDA 120  
DB 61 LMPLTKEVAKSGIRGVLPAVELAIEQIRNESLRLRPYFLDLRLYTECDNAKGLKAFYDA 120  
QY 121 IKYGNHLMVFGVGVCSVTSIIAESLQGNLVLQSFATTPVLADKKYPYFFRTVPSDN 180  
DB 121 IKYGNHLMVFGVGVCSVTSIIAESLQGNLVLQSFATTPVLADKKYPYFFRTVPSDN 180  
QY 181 AVNPAILKLLKHQWKRVTGLTQDVORFSEVRNDLTGLVYGEDIEISDTESFNDPCTSV 240  
DB 181 AVNPAILKLLKHQWKRVTGLTQDVORFSEVRNDLTGLVYGEDIEISDTESFNDPCTSV 240  
QY 241 KKLKGNDRVRIILQGFQDNMAAKVFCAYBENMYGSKYQWIIIPGWYEPSSWWEQVHTEANSS 300  
DB 241 KKLKGNDRVRIILQGFQDNMAAKVFCAYBENMYGSKYQWIIIPGWYEPSSWWEQVHTEANSS 300  
QY 301 RCLRNKLLAAMEGYIGVDPEPLSSKQIKTISGKTPOQYERENYNNKSGVGPSPKFGHYAYD 360  
DB 301 RCLRNKLLAAMEGYIGVDPEPLSSKQIKTISGKTPOQYERENYNNKSGVGPSPKFGHYAYD 360  
QY 361 GIWVIKTLQAMETLHASSRHQRIQDFNYTDHTLGRILNANMETNFFGVTCQVVFRNG 420  
DB 361 GIWVIKTLQAMETLHASSRHQRIQDFNYTDHTLGRILNANMETNFFGVTCQVVFRNG 420

## RESULT 2

US-09-211-755B-47  
; Sequence 47, Application US/09211755B  
; Patent No. US20020045742A1  
; GENERAL INFORMATION:  
; APPLICANT: Kenneth A. Jones, Thomas M. Laz, Beth Borowsky  
; TITLE OF INVENTION: DNA Encoding a GABAR2 Polypeptide And Uses Thereof  
; FILE REFERENCE: 1795/54002-D  
; CURRENT APPLICATION NUMBER: US/09/211,755B  
; CURRENT FILING DATE: 1998-12-15  
; PRIOR APPLICATION NUMBER: 09/186,664  
; PRIOR FILING DATE: 1998-11-04  
; NUMBER OF SEQ ID NOS: 56  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 47  
; TYPE: PRT  
; ORGANISM: human;  
US-09-211-755B-47  
Query Match 100.0%; Score 2544; DB 9; Length 941;  
Best Local Similarity 100.0%; Pred. No. 8.1e-204;  
Matches 480; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 MASPRSSGQGPPIPPPPPPARLLLLLLLLLPLLLPLAPGAWGARGAPRPPSPPLSIMG 60  
DB 1 MASPRSSGQGPPIPPPPPPARLLLLLLLLLPLLLPLAPGAWGARGAPRPPSPPLSIMG 60  
QY 61 LMPLTKEVAKSGIRGVLPAVELAIEQIRNESLRLRPYFLDLRLYTECDNAKGLKAFYDA 120  
DB 61 LMPLTKEVAKSGIRGVLPAVELAIEQIRNESLRLRPYFLDLRLYTECDNAKGLKAFYDA 120  
QY 121 IKYGNHLMVFGVGVCSVTSIIAESLQGNLVLQSFATTPVLADKKYPYFFRTVPSDN 180  
DB 121 IKYGNHLMVFGVGVCSVTSIIAESLQGNLVLQSFATTPVLADKKYPYFFRTVPSDN 180  
QY 181 AVNPAILKLLKHQWKRVTGLTQDVORFSEVRNDLTGLVYGEDIEISDTESFNDPCTSV 240  
DB 181 AVNPAILKLLKHQWKRVTGLTQDVORFSEVRNDLTGLVYGEDIEISDTESFNDPCTSV 240  
QY 241 KKLKGNDRVRIILQGFQDNMAAKVFCAYBENMYGSKYQWIIIPGWYEPSSWWEQVHTEANSS 300  
DB 241 KKLKGNDRVRIILQGFQDNMAAKVFCAYBENMYGSKYQWIIIPGWYEPSSWWEQVHTEANSS 300  
QY 301 RCLRNKLLAAMEGYIGVDPEPLSSKQIKTISGKTPOQYERENYNNKSGVGPSPKFGHYAYD 360  
DB 301 RCLRNKLLAAMEGYIGVDPEPLSSKQIKTISGKTPOQYERENYNNKSGVGPSPKFGHYAYD 360  
QY 361 GIWVIKTLQAMETLHASSRHQRIQDFNYTDHTLGRILNANMETNFFGVTCQVVFRNG 420  
DB 361 GIWVIKTLQAMETLHASSRHQRIQDFNYTDHTLGRILNANMETNFFGVTCQVVFRNG 420

QY 421 ERMGTIKFTQFQDSREVVKYGEYNAVADTLEIINDTIRFOGSEPPKDKTIILEOLRKISLP 480  
DB 421 ERMGTIKFTQFQDSREVVKYGEYNAVADTLEIINDTIRFOGSEPPKDKTIILEOLRKISLP 480  
RESULT 3  
US-09-793-139-47  
; Sequence 47, Application US/09793139  
; Patent No. US20020156265A1  
; GENERAL INFORMATION:  
; APPLICANT: Jones, Kenneth A  
; TITLE OF INVENTION: DNA Encoding A GABA BR2 Polypeptide And Uses Thereof  
; FILE REFERENCE: 54002epectus  
; CURRENT APPLICATION NUMBER: US/09/793,139  
; CURRENT FILING DATE: 2001-02-26  
; NUMBER OF SEQ ID NOS: 55  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 47  
; LENGTH: 941  
; TYPE: PRT  
; ORGANISM: Homo Sapiens  
US-09-793-139-47  
Query Match 100.0%; Score 2544; DB 9; Length 941;  
Best Local Similarity 100.0%; Pred. No. 8.1e-204;  
Matches 480; Conservative 0; Mismatches 0; Indels 0; Gaps 0;  
QY 1 MASPRSSGQGPPIPPPPPPARLLLLLLLLLPLLLPLAPGAWGARGAPRPPSPPLSIMG 60  
DB 1 MASPRSSGQGPPIPPPPPPARLLLLLLLLLPLLLPLAPGAWGARGAPRPPSPPLSIMG 60  
QY 61 LMPLTKEVAKSGIRGVLPAVELAIEQIRNESLRLRPYFLDLRLYTECDNAKGLKAFYDA 120  
DB 61 LMPLTKEVAKSGIRGVLPAVELAIEQIRNESLRLRPYFLDLRLYTECDNAKGLKAFYDA 120  
QY 121 IKYGNHLMVFGVGVCSVTSIIAESLQGNLVLQSFATTPVLADKKYPYFFRTVPSDN 180  
DB 121 IKYGNHLMVFGVGVCSVTSIIAESLQGNLVLQSFATTPVLADKKYPYFFRTVPSDN 180  
QY 181 AVNPAILKLLKHQWKRVTGLTQDVORFSEVRNDLTGLVYGEDIEISDTESFNDPCTSV 240  
DB 181 AVNPAILKLLKHQWKRVTGLTQDVORFSEVRNDLTGLVYGEDIEISDTESFNDPCTSV 240  
QY 241 KKLKGNDRVRIILQGFQDNMAAKVFCAYBENMYGSKYQWIIIPGWYEPSSWWEQVHTEANSS 300  
DB 241 KKLKGNDRVRIILQGFQDNMAAKVFCAYBENMYGSKYQWIIIPGWYEPSSWWEQVHTEANSS 300  
QY 301 RCLRNKLLAAMEGYIGVDPEPLSSKQIKTISGKTPOQYERENYNNKSGVGPSPKFGHYAYD 360  
DB 301 RCLRNKLLAAMEGYIGVDPEPLSSKQIKTISGKTPOQYERENYNNKSGVGPSPKFGHYAYD 360  
QY 361 GIWVIKTLQAMETLHASSRHQRIQDFNYTDHTLGRILNANMETNFFGVTCQVVFRNG 420  
DB 361 GIWVIKTLQAMETLHASSRHQRIQDFNYTDHTLGRILNANMETNFFGVTCQVVFRNG 420  
QY 421 ERMGTIKFTQFQDSREVVKYGEYNAVADTLEIINDTIRFOGSEPPKDKTIILEOLRKISLP 480  
DB 421 ERMGTIKFTQFQDSREVVKYGEYNAVADTLEIINDTIRFOGSEPPKDKTIILEOLRKISLP 480

## RESULT 4

US-10-300-616-31  
; Sequence 31, Application US/10300616  
; Publication No. US20030082801A1  
; GENERAL INFORMATION:  
; APPLICANT: BARNES, ASHLEY A.  
; APPLICANT: WISE, ALAN  
; APPLICANT: MARSHALL, FIONA H.  
; APPLICANT: FRASER, NEIL J.  
; APPLICANT: WHITE, JULIE H. M.  
; APPLICANT: FOORD, STEVEN M.  
; TITLE OF INVENTION: NOVEL RECEPTOR  
; FILE REFERENCE: PG3558US2

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Query Match      100.0%; Score 2544; DB 16; Length 941;
Best Local Similarity 100.0%; Pred. No. 8.1e-204;
Matches 480; Conservative 0; Mismatches 0; Indels 0; Gaps 0;
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Qy	1	MASPRSSGQGP	PPPPPPPPPP	PPARLLLLLLLL	PLLLPLAPG	AWGARGAP	PPPPSSP	PLSIMG	60
Db	1	MASPRSSGQGP	PPPPPPPPPP	PPARLLLLLLLL	PLLLPLAPG	AWGARGAP	PPPPSSP	PLSIMG	60
Qy	61	LMPLTKEVAKS	IGRGVPAVEL	AIQIRNESLL	RPFLDURL	VDTECDNA	KGLKAF	YDA	120
Db	61	LMPLTKEVAKS	IGRGVPAVEL	AIQIRNESLL	RPFLDURL	VDTECDNA	KGLKAF	YDA	120
Qy	121	IKYGNHLMVFG	GWGCPVST	IIAESLOGN	LVQLSFA	ATTPVLAD	KKKPYFF	RVT	180
Db	121	IKYGNHLMVFG	GWGCPVST	IIAESLOGN	LVQLSFA	ATTPVLAD	KKKPYFF	RVT	180
Qy	181	AVNPAILKLLK	HYQWKVG	TLTQDVQRF	SEVRNDLT	GVLYGED	IEISD	TESF	240
Db	181	AVNPAILKLLK	HYQWKVG	TLTQDVQRF	SEVRNDLT	GVLYGED	IEISD	TESF	240
Qy	241	KKLKGNDVRI	ILQGFQDN	MAAKFCCA	YAEENMYG	SKYQWII	PGWYEPS	WQVTE	300
Db	241	KKLKGNDVRI	ILQGFQDN	MAAKFCCA	YAEENMYG	SKYQWII	PGWYEPS	WQVTE	300
Qy	301	RCURKNLLA	AMEGYIGV	DFEPLSS	KQIKTISG	KTPQOYER	YNNKRS	GVGSK	360
Db	301	RCURKNLLA	AMEGYIGV	DFEPLSS	KQIKTISG	KTPQOYER	YNNKRS	GVGSK	360
Qy	361	GIWVIAKTL	QRAMETL	HASSRH	QIQDFNYD	HTLGRILL	NAMNET	NFP	420
Db	361	GIWVIAKTL	QRAMETL	HASSRH	QIQDFNYD	HTLGRILL	NAMNET	NFP	420
Qy	421	ERMGTIKFT	QODBRE	VKVGYN	AVADTLEI	INTIRP	QSGSEP	PKDXTI	480
Db	421	ERMGTIKFT	QODBRE	VKVGYN	AVADTLEI	INTIRP	QSGSEP	PKDXTI	480

RESULT 7  
US-10-211-462-71  
; Sequence 71, Application US/10211462  
; Publication No. US2004003495A1  
; GENERAL INFORMATION:  
; APPLICANT: Murray, Richard  
; APPLICANT: Glynn, Richard  
; APPLICANT: Watson, Susan R.  
; APPLICANT: Aziz, Natasha  
; APPLICANT: Eos Biotechnology, Inc.  
; TITLE OF INVENTION: Methods of Diagnosis of Angiogenesis, Compositions and  
; TITLE OF INVENTION: Methods of Screening for Angiogenesis Modulators  
; FILE REFERENCE: 018501-0062000US  
; CURRENT APPLICATION NUMBER: US/10/211.462  
; CURRENT FILING DATE: 2003-02-13  
; PRIOR APPLICATION NUMBER: US 09/784,356  
; PRIOR FILING DATE: 2001-02-14  
; PRIOR APPLICATION NUMBER: US 09/791,390  
; PRIOR FILING DATE: 2001-02-22  
; PRIOR APPLICATION NUMBER: US 60/310,025  
; PRIOR FILING DATE: 2001-08-03  
; PRIOR APPLICATION NUMBER: US 60/334,244  
; PRIOR FILING DATE: 2001-11-29  
; NUMBER OF SEQ ID NOS: 230  
; SOFTWARE: PatentIn Ver. 4.1  
; SEQ ID NO 71  
; LENGTH: 941  
; TYPE: PRT  
; ORGANISM: Homo sapiens  
US-10-211-462-71

[illegible]

```

1  APPLICANT: LifeSpan Biosciences
2  APPLICANT: Brown, Joseph P.
3  APPLICANT: Burner, Glenna C.
4  APPLICANT: Roush, Christine L.
5  TITLE OF INVENTION: ANTIGENIC PEPTIDES AND ANTIBODIES FOR G PROTEIN-COUPLED
6  FILE REFERENCE: 1920-4-4
7  CURRENT APPLICATION NUMBER: US/10/225,567A
8  CURRENT FILING DATE: 2001-12-19
9  PRIOR APPLICATION NUMBER: 60/257,144
10  PRIOR FILING DATE: 2000-12-19
11  NUMBER OF SEQ ID NOS: 2292
12  SOFTWARE: PatentIn version 3.1
13  SEQ ID NO 436
14  LENGTH: 941
15  TYPE: PRT
16  ORGANISM: Homo sapiens
17  US-10-225-567A-436

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Query Match	99.4%	Score 2530;	DB 14;	Length 941;
Best Local Similarity	99.6%;	Pred. No. 1.2e-202;		
Matches 478;	Conservative 0;	Mismatches 2;	Indels 0;	Gaps 0
Qy	1	MASPRSSGQGP	PPPPPPPPPARL	LLLLLLLLPLLLPLAPGAWGARGAPRPPSPPLSIMG 60
Db	1	MASPRSSGQGR	PPPPPPPPPARL	LLLLLLLLPLLLPLAPGAWGARGAPRPPSPPLSIMG 60
Qy	61	LMPLTKEVAKGS	IGRGVLP	PAVELAIEQIRNESLLRPFLDLRLVDTCDNAKGLKAFYDA 120
Db	61	LMPLTKEVAKGS	IGRGVLP	PAVELAIEQIRNESLLRPFLDLRLVDTCDNAKGLKAFYDA 120
Qy	121	IKYGNPHLMVFGG	VCPSVTSIIAESLQGNL	VQLSFAATTPLVADKKKYPYFFRTVPSPDN 180
Db	121	IKYGNPHLMVFGG	VCPSVTSIIAESLQGNL	VQLSFAATTPLVADKKKYPYFFRTVPSPDN 180
Qy	181	AVNPAIILKLKH	QYQKWVGTLTQDVQR	FSEVRNDITGVLYGEDIEISDTESFSDNPCTSV 240
Db	181	AVNPAIILKLKH	QYQKWVGTLTQDVQR	FSEVRNDITGVLYGEDIEISDTESFSDNPCTSV 240
Qy	241	KKLKGNDVRITL	IGFDQGNMAAKVFCC	RAYEENMYGSKYQWIIIPGWYSPSWQVHTEANSS 300

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Db 241 KKLKGNDRVRIILQFQDNMAKVFCAYEENMYGSKYQWIIIPGWYSPSWMEQVHTEANSS 300
Qy 301 RCLRNKLLAAMEGYIGVDPEPLSSKOIKTISGKTPOOYEREYNNKSGVGPSPKFGYAYD 360
Db 301 RCLRNKLLAAMEGYIGVDPEPLSSKOIKTISGKTPOOYEREYNNKSGVGPSPKFGYAYD 360
Qy 361 GIWVIKTLQRAMETLHASSRHQRIQDFNYTDHTLGRILINAMNETNFFGVGTQVVFRNG 420
Db 361 GIWVIKTLQRAMETLHASSRHQRIQDFNYTDHTLGRILINAMNETNFFGVGTQVVFRNG 420
Qy 421 ERMGTIKFTQFQDSREVKGVEYNVADTLEIINDTIRFOGSEPPKDKTIILEQLRKISLP 480
Db 421 ERMGTIKFTQFQDSREVKGVEYNVADTLEIINDTIRFOGSEPPKDKTIILEQLRKISLP 480

RESULT 9
US-10-295-027-26
; Sequence 26, Application US/10295027
; Publication No. US20030232350A1
; GENERAL INFORMATION:
; APPLICANT: Afar, Daniel
; APPLICANT: Aziz, Natasha
; APPLICANT: Ginsberg, Wendy M.
; APPLICANT: Gish, Kurt C.
; APPLICANT: Glynn, Richard
; APPLICANT: Hevezi, Peter A.
; APPLICANT: Mack, David H.
; APPLICANT: Murray, Richard
; APPLICANT: Watson, Susan R.
; APPLICANT: Eos Biotechnology, Inc.
; TITLE OF INVENTION: Methods of Diagnosis of Cancer, Compositions and
; TITLE OF INVENTION: Methods of Screening for Modulators of Cancer
; FILE REFERENCE: 018501-012500US
; CURRENT APPLICATION NUMBER: US/10/295,027
; CURRENT FILING DATE: 2002-11-13
; PRIOR APPLICATION NUMBER: US 09/663,733
; PRIOR FILING DATE: 2000-09-15
; PRIOR APPLICATION NUMBER: US 60/350,666
; PRIOR FILING DATE: 2001-11-13
; PRIOR APPLICATION NUMBER: US 60/335,394
; PRIOR FILING DATE: 2001-11-15
; PRIOR APPLICATION NUMBER: US 60/332,464
; PRIOR FILING DATE: 2001-11-21
; PRIOR APPLICATION NUMBER: US 60/334,393
; PRIOR FILING DATE: 2001-11-29
; PRIOR APPLICATION NUMBER: US 60/340,376
; PRIOR FILING DATE: 2001-12-14
; PRIOR APPLICATION NUMBER: US 60/347,211
; PRIOR FILING DATE: 2002-01-08
; PRIOR APPLICATION NUMBER: US 60/347,349
; PRIOR FILING DATE: 2002-01-10
; PRIOR APPLICATION NUMBER: US 60/355,250
; PRIOR FILING DATE: 2002-02-08
; PRIOR APPLICATION NUMBER: US 60/356,714
; PRIOR FILING DATE: 2002-02-13
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1386
; SOFTWARE: PatentIn Ver. 2.1
; LENGTH: 941
; TYPE: PRT
; ORGANISM: Homo sapiens
US-10-295-027-26

Query Match 99.4%; Score 2530; DB 15; Length 941;
Best Local Similarity 99.6%; Pred. No. 1.2e-202;
Matches 478; Conservative 0; Mismatches 2; Indels 0; Gaps 0;

Qy 1 MASPRSGQGPDPDPDPDPDPDPDPDPDPDPDPDPDPDPDPDPDPDPDPDPDPDPDPDPDPDPDP 60
Db 1 MASPRSGQGPDPDPDPDPDPDPDPDPDPDPDPDPDPDPDPDPDPDPDPDPDPDPDPDPDPDPDP 60
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Qy 61 LMPLTKEVAKSGIRGVLPAVELAQIRNESLLRPYFLDLRLYDTECDNAKGLKAFYDA 120
Db 61 LMPLTKEVAKSGIRGVLPAVELAQIRNESLLRPYFLDLRLYDTECDNAKGLKAFYDA 120
Qy 121 IKYGNHLMVFGVCPSTVTSIIAESLQGNLVQLSPAATTPVLADKKKYPYFRTVPDSN 180
Db 121 IKYGNHLMVFGVCPSTVTSIIAESLQGNLVQLSPAATTPVLADKKKYPYFRTVPDSN 180
Qy 181 AVNPAILLKLLKHQWKRVTGLTQDVORFSEVRNDLTGLVYGEDIEISDTESFSNDPCTSV 240
Db 181 AVNPAILLKLLKHQWKRVTGLTQDVORFSEVRNDLTGLVYGEDIEISDTESFSNDPCTSV 240
Qy 241 KKLKGNDRVRIILQFQDNMAKVFCAYEENMYGSKYQWIIIPGWYSPSWMEQVHTEANSS 300
Db 241 KKLKGNDRVRIILQFQDNMAKVFCAYEENMYGSKYQWIIIPGWYSPSWMEQVHTEANSS 300
Qy 301 RCLRNKLLAAMEGYIGVDPEPLSSKOIKTISGKTPOOYEREYNNKSGVGPSPKFGYAYD 360
Db 301 RCLRNKLLAAMEGYIGVDPEPLSSKOIKTISGKTPOOYEREYNNKSGVGPSPKFGYAYD 360
Qy 361 GIWVIKTLQRAMETLHASSRHQRIQDFNYTDHTLGRILINAMNETNFFGVGTQVVFRNG 420
Db 361 GIWVIKTLQRAMETLHASSRHQRIQDFNYTDHTLGRILINAMNETNFFGVGTQVVFRNG 420
Qy 421 ERMGTIKFTQFQDSREVKGVEYNVADTLEIINDTIRFOGSEPPKDKTIILEQLRKISLP 480
Db 421 ERMGTIKFTQFQDSREVKGVEYNVADTLEIINDTIRFOGSEPPKDKTIILEQLRKISLP 480

RESULT 10
US-10-295-027-722
; Sequence 722, Application US/10295027
; Publication No. US20030232350A1
; GENERAL INFORMATION:
; APPLICANT: Afar, Daniel
; APPLICANT: Aziz, Natasha
; APPLICANT: Ginsberg, Wendy M.
; APPLICANT: Gish, Kurt C.
; APPLICANT: Glynn, Richard
; APPLICANT: Hevezi, Peter A.
; APPLICANT: Mack, David H.
; APPLICANT: Murray, Richard
; APPLICANT: Watson, Susan R.
; APPLICANT: Eos Biotechnology, Inc.
; TITLE OF INVENTION: Methods of Diagnosis of Cancer, Compositions and
; TITLE OF INVENTION: Methods of Screening for Modulators of Cancer
; FILE REFERENCE: 018501-012500US
; CURRENT APPLICATION NUMBER: US/10/295,027
; CURRENT FILING DATE: 2002-11-13
; PRIOR APPLICATION NUMBER: US 09/663,733
; PRIOR FILING DATE: 2000-09-15
; PRIOR APPLICATION NUMBER: US 60/350,666
; PRIOR FILING DATE: 2001-11-13
; PRIOR APPLICATION NUMBER: US 60/335,394
; PRIOR FILING DATE: 2001-11-15
; PRIOR APPLICATION NUMBER: US 60/332,464
; PRIOR FILING DATE: 2001-11-21
; PRIOR APPLICATION NUMBER: US 60/334,393
; PRIOR FILING DATE: 2001-11-29
; PRIOR APPLICATION NUMBER: US 60/340,376
; PRIOR FILING DATE: 2001-12-14
; PRIOR APPLICATION NUMBER: US 60/347,211
; PRIOR FILING DATE: 2002-01-08
; PRIOR APPLICATION NUMBER: US 60/347,349
; PRIOR FILING DATE: 2002-01-10
; PRIOR APPLICATION NUMBER: US 60/355,250
; PRIOR FILING DATE: 2002-02-08
; PRIOR APPLICATION NUMBER: US 60/356,714
; PRIOR FILING DATE: 2002-02-13
; Remaining Prior Application data removed - See File Wrapper or PALM.
; NUMBER OF SEQ ID NOS: 1386
; SOFTWARE: PatentIn Ver. 2.1
; SEQ ID NO 722
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Db 300 RCLRRSLLAAMEGYIGVDFEPLSSKQIKTISGKTPQOYEREYNKRSQVPSKFGHYAD 359  
QY 361 GIWVIKTLQRAMETLHASSRHQRIQDFNYTDHTLGRILNANMETNFFGVGTQVVFRRNG 420  
Db 360 GIWVIKTLQRAMETLHASSRHQRIQDFNYTDHTLGRILNANMETNFFGVGTQVVFRRNG 419  
QY 421 ERMGTIKFTQFQDSREVKVGEYNVADTLEIINDTIRFOGSEPPKDKTIILEQLRKISLP 480  
Db 420 ERMGTIKFTQFQDSREVKVGEYNVADTLEIINDTIRFOGSEPPKDKTIILEQLRKISLP 479

RESULT 13  
US-09-793-139-4  
; Sequence 4, Application US/09793139  
; Patent No. US20020156265A1  
; GENERAL INFORMATION:  
; APPLICANT: Jones, Kenneth A  
; TITLE OF INVENTION: DNA Encoding A GABA BR2 Polypeptide And Uses Thereof  
; FILE REFERENCE: 54002epctus  
; CURRENT APPLICATION NUMBER: US/09/793,139  
; CURRENT FILING DATE: 2001-02-26  
; NUMBER OF SEQ ID NOS: 55  
; SOFTWARE: PatentIn Ver. 2.1  
; SEQ ID NO 4  
; LENGTH: 929  
; TYPE: PRT  
; ORGANISM: Rattus Sp.  
US-09-793-139-4

Query Match 92.5%; Score 2354; DB 9; Length 929;  
Best Local Similarity 93.8%; Pred. No. 6.4e-188;  
Matches 450; Conservative 11; Mismatches 7; Indels 12; Gaps 2;  
QY 1 MASPPSSGQPP 60  
Db 1 MASPPSSGQPP-PP 59  
QY 61 LMPLTKEVAKSGIGRGVLPVAVELAIQIRNESLLRPYFLDLRYDTECDNAKGLKAFYDA 120  
Db 60 LMPLTKEVAKSGIGRGVLPVAVELAIQIRNESLLRPYFLDLRYDTECDNAKGLKAFYDA 119  
QY 121 IKYGNHLMVFGGVCPSVTSIIAESLQGMNLVOLSPAATTPLVADKKKYPYFFRTVPSDN 180  
Db 120 IKYGNHLMVFGGVCPSVTSIIAESLQGMNLVOLSPAATTPLVADKKKYPYFFRTVPSDN 179  
QY 181 AVNPAILKLLKHQVQKRVGTLTQDVORFSEVRNDLTGVLYGEDIIEISDTSFSDNDPCTSV 240  
Db 180 AVNPAILKLLKHQVQKRVGTLTQDVORFSEVRNDLTGVLYGEDIIEISDTSFSDNDPCTSV 239  
QY 241 KKLKGNDRVRIILGQFQDNAAKVFCCAYENMYGSKYQWIIICGWYEPSWQVHTEANSS 300  
Db 240 KKLKGNDRVRIILGQFQDNAAKVFCCAYENMYGSKYQWIIICGWYEPSWQVHTEANSS 299  
QY 301 RCLRNKLLAAMEGYIGVDFEPLSSKQIKTISGKTPQOYEREYNKRSQVPSKFGHYAD 360  
Db 300 RCLRRSLLAAMEGYIGVDFEPLSSKQIKTISGKTPQOYEREYNKRSQVPSKFGHYAD 359  
QY 361 GIWVIKTLQRAMETLHASSRHQRIQDFNYTDHTLGRILNANMETNFFGVGTQVVFRRNG 420  
Db 360 GIWVIKTLQRAMETLHASSRHQRIQDFNYTDHTLGRILNANMETNFFGVGTQVVFRRNG 408  
QY 421 ERMGTIKFTQFQDSREVKVGEYNVADTLEIINDTIRFOGSEPPKDKTIILEQLRKISLP 480  
Db 409 ERMGTIKFTQFQDSREVKVGEYNVADTLEIINDTIRFOGSEPPKDKTIILEQLRKISLP 468

RESULT 14  
US-09-818-879-2  
; Sequence 2, Application US/09818879  
; Patent No. US20010023289A1  
; GENERAL INFORMATION:  
; APPLICANT: Jones, Kenneth

; APPLICANT: Laz, Thomas  
; APPLICANT: Borowsky, Beth  
; TITLE OF INVENTION: DNA encoding a GABABR2 polypeptide and uses thereof  
; FILE REFERENCE: 1795/54002DA  
; CURRENT APPLICATION NUMBER: US/09/818,879  
; CURRENT FILING DATE: 2001-03-27  
; PRIOR APPLICATION NUMBER: US 09/211,755  
; PRIOR FILING DATE: 1998-12-15  
; NUMBER OF SEQ ID NOS: 55  
; SOFTWARE: PatentIn version 3.0  
; SEQ ID NO 2  
; LENGTH: 898  
; TYPE: PRT  
; ORGANISM: human  
US-09-818-879-2

Query Match 88.2%; Score 2245; DB 9; Length 898;  
Best Local Similarity 98.4%; Pred. No. 8.1e-179;  
Matches 429; Conservative 0; Mismatches 1; Indels 6; Gaps 1;  
QY 51 PSSP-----PLSINGLMPLTKEVAKSGIGRGVLPVAVELAIQIRNESLLRPYFLDLRLY 104  
Db 2 PSCPARSATGPPUSINGLMPLTKEVAKSGIGRGVLPVAVELAIQIRNESLLRPYFLDLRLY 61  
QY 105 DTECDNAKGLKAFYDAIKYGNHLMVFGGVCPSVTSIIAESLQGMNLVOLSPAATTPLVLA 164  
Db 62 DTECDNAKGLKAFYDAIKYGNHLMVFGGVCPSVTSIIAESLQGMNLVOLSPAATTPLVLA 121  
QY 165 DKKKYPYFFRTVPSDNVNPAILKLLKHQVQKRVGTLTQDVORFSEVRNDLTGVLYGEDI 224  
Db 122 DKKKYPYFFRTVPSDNVNPAILKLLKHQVQKRVGTLTQDVORFSEVRNDLTGVLYGEDI 181  
QY 225 EISDTSFSDNDPCTSVKLLKGNDRVRIILGQFQDNAAKVFCCAYENMYGSKYQWIIIPGW 284  
Db 182 EISDTSFSDNDPCTSVKLLKGNDRVRIILGQFQDNAAKVFCCAYENMYGSKYQWIIIPGW 241  
QY 285 YBPSWMEQVHTTRANSRCLRNKLLAAMEGYIGVDFEPLSSKQIKTISGKTPQOYEREYN 344  
Db 242 YBPSWMEQVHTTRANSRCLRNKLLAAMEGYIGVDFEPLSSKQIKTISGKTPQOYEREYN 301  
QY 345 KRSQVPSKFGHYADGIWVIKTLQRAMETLHASSRHQRIQDFNYTDHTLGRILNAN 404  
Db 302 KRSQVPSKFGHYADGIWVIKTLQRAMETLHASSRHQRIQDFNYTDHTLGRILNAN 361  
QY 405 ETNFFGVGTQVVFRRNGERMGTIKFTQFQDSREVKVGEYNVADTLEIINDTIRFOGSEPP 464  
Db 362 ETNFFGVGTQVVFRRNGERMGTIKFTQFQDSREVKVGEYNVADTLEIINDTIRFOGSEPP 421  
QY 465 KDKTIILEQLRKISLP 480  
Db 422 KDKTIILEQLRKISLP 437

RESULT 15  
US-09-211-755B-2  
; Sequence 2, Application US/09211755B  
; Patent No. US20020045742A1  
; GENERAL INFORMATION:  
; APPLICANT: Kenneth A. Jones, Thomas M. Laz, Beth Borowsky  
; TITLE OF INVENTION: DNA Encoding a GABABR2 Polypeptide And Uses Thereof  
; FILE REFERENCE: 1795/54002-D  
; CURRENT APPLICATION NUMBER: US/09/211,755B  
; CURRENT FILING DATE: 1998-12-15  
; PRIOR APPLICATION NUMBER: 09/186,664  
; PRIOR FILING DATE: 1998-11-04  
; NUMBER OF SEQ ID NOS: 56  
; SOFTWARE: PatentIn version 3.1  
; SEQ ID NO 2  
; LENGTH: 898  
; TYPE: PRT  
; ORGANISM: HUMAN;  
US-09-211-755B-2

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Query Match      88.2%; Score 2245; DB 9; Length 898;
Best Local Similarity 98.4%; Pred. No. 8.1e-179;
Matches 429; Conservative 0; Mismatches 1; Indels 6; Gaps 1;

QY      51 PSSP-----PLIGIMPLTKEVAKSGIGRGVLPVELAIEQIRNESLLRPYFLDLRLY 104
Db      2 PSCPARSATGPLSIGIMPLTKEVAKSGIGRGVLPVELAIEQIRNESLLRPYFLDLRLY 61

QY     105 DTECDNAKGLKAYDAIKYGNHLMVFGVCPSVTSIIAESLQGNLVLSPAATTPVLA 164
Db      62 DTECDNAKGLKAYDAIKYGNHLMVFGVCPSVTSIIAESLQGNLVLSPAATTPVLA 121

QY     165 DKKKYFFFTVPSDNAVNPAILKLLKHQWKVGTLTQDVQRFSEVRNDLTGVLXGDI 224
Db     122 DKKKYFFFTVPSDNAVNPAILKLLKHQWKVGTLTQDVQRFSEVRNDLTGVLXGDI 181

QY     225 EISDTESFSNDPQTSVKKLKGNVDRIILGQFDQNMAAKVFCCEAYEENMYGSKYQWIIPGW 284
Db     182 EISDTESFSNDPQTSVKKLKGNVDRIILGQFDQNMAAKVFCCEAYEENMYGSKYQWIIPGW 241

QY     285 YEPSWWEQVHTEANSRCLRNKLLAAMEGYIGVDFEPLSSKQIKTISGKTPOOYEREYNN 344
Db     242 YEPSWWEQVHTEANSRCLRNKLLAAMEGYIGVDFEPLSSKQIKTISGKTPOOYEREYNN 301

QY     345 KRSGVGPSKPHGYADGIWVIKTLORAMETLHASSRHORIQDFNYTDHTLGRILLNANN 404
Db     302 KRSGVGPSKPHGYADGIWVIKTLORAMETLHASSRHORIQDFNYTDHTLGRILLNANN 361

QY     405 ETNFFGVTGQVFRNGERMGTIKFTQFQDSREVKGVEYNVADTLEIINDTIRFOGSEPP 464
Db     362 ETNFFGVTGQVFRNGERMGTIKFTQFQDSREVKGVEYNVADTLEIINDTIRFOGSEPP 421

QY     465 KDKTIILEQLRKISLP 480
Db     422 KDKTIILEQLRKISLP 437
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